CURRENT POPULATION SURVEY, May 2019
Tobacco Use Supplement FILE
Version 2, Revised September 2020
TECHNICAL DOCUMENTATION
CPS—19

This file documentation consists of the following materials:

NOTE

Questions about accompanying **documentation** should be directed to Center for New Media and Promotions Division, Promotions Branch, U.S. Census Bureau, Washington, D.C. 20233. Phone: (301) 763-4400.

Questions about **the design, data collection, and CPS-specific subject matter** should be directed to Tim Marshall, Associate Directorate Demographic Programs, U.S. Census Bureau, Washington, D.C. 20233. Phone: (301) 763-3806.

Questions about the **TUS subject matter** should be directed to the National Cancer Institute's Division of Cancer Control and Population Sciences, Behavior Research Program at ncidccpsbrpadvances@mail.nih.gov

ABSTRACT

The National Cancer Institute (NCI) of the National Institutes of Health (NIH) and the U.S. Food and Drug Administration (FDA) sponsored a Tobacco Use Supplement (TUS) to the Current Population Survey (CPS) conducted by the Census Bureau for the Bureau of Labor Statistics. - Washington: Census Bureau [producer and distributor], May 2019.

Type of File:

Microdata; unit of observation is person.

Universe Description:

For May 2019, the universe is person level for all persons aged 18 and above (prior to 2007 TUS also included those 15–17 years old) in the civilian noninstitutional population of the United States and completed the labor force interview.

The probability sample selected to represent the universe consisted of 48,846 households.

The supplement universe has the following conditions:

- HRINTSTA = 1
- PRPERTYP = 2
- PRTAGE greater than or equal to 18
- HRMIS in 1, 2, 3, 4, 5, 6, 7, 8
- PEELGFLG = 1

Questionnaire Structure: The supplement is structured in Sections A through K (except I)

- Section A screened for prior cigarette usage and current usage status of everyday smoker, some days smoker, former smoker (*now* "*not at all*" smoking), and never smoker ("*never*" being defined as "*not having smoked 100 cigarettes in one's lifetime*").

- Section B **detailed smoking history and current use patterns** questions were asked if the person had smoked 100 cigarettes and is a self- respondent currently smoking everyday.

- Section C **detailed smoking history and current use patterns** questions were asked if the person had smoked 100 cigarettes and is a self- respondent currently smoking some days.

- Section D asked self respondent current every day and some day smokers questions about quit smoking attempts of the past 12 months, and if none, asked if ever quit.

- Section E asked self respondent current every day and some-day smokers about a set of methods used (quit lines, internet or web-based tools or Apps, switching to other tobacco products, nicotine replacement therapy, prescription antidepressants used for cessation treatment, counseling, classes and support groups) during the most recent quit attempt within the past 12 months.

- Section F asked self respondent current every day and some-day smokers about medical (often in past also dental, but not in 2018-19 series) doctor advice to stop smoking.

- Section G asked self respondent current every day and some-day smokers about the person's interest, likelihood, and confidence in quitting within the next 6 months.

- Section H questions were asked of self respondent former smokers (if the person had smoked 100 cigarettes, is a self-respondent and currently not smoking at all); similar questions asked of current smokers in Sections B, C, E, and F.

- Section J asked all respondents about ever and current use of other tobacco products (cigars, regular pipes, hookah pipes, e-cigarettes, smokeless tobacco, and dissolvables) and asked ONLY self-respondents more detailed items about other tobacco product use (all other tobacco products EXCEPT dissolvables). .

- Section K asked self-respondents about indoor smoke-free and vape-free policies at work and at home, attitudes towards smoking in different places including in multi-unit housing. Also included is an item on awareness of tobacco industry corrective statements mandated by a federal judge. New in May 2019 (not asked in July 2018 nor in Jan. 2019) were a few items about awareness and use of heated tobacco products (e.g., iQOS, Glo, and Eclipse).

Subject-Matter Description:

Data are provided on labor force activity for the week prior to the survey. Comprehensive data are available on the employment status, occupation, and industry of persons 15 years old and over. Also shown are personal characteristics such as age, sex, race, Hispanic

origin , marital status, veteran status, immigration status, household relationship, educational background, and some daily living functional status items.

The Tobacco Use questions were asked for randomly selected household members age 18 years and older in May 2019. A new feature began in 2014-15 and continuing in the 2018-2019 cycle included random selection of respondents in larger households to reduce respondent burden. If the household had only 1 or 2 supplement eligible members then those persons were selected for interview. If the household had 3 or 4 supplement eligible members, then 2 of them were randomly selected for interview. If the household had more than 4 supplement eligible members, then 3 of them were randomly selected for interview.

For those supplement eligible persons NOT randomly selected, no supplement questions were asked, not even a proxy-response interview. This is a change from the previous collections for this supplement in 2014 and 2015.

Self-response was attempted for all eligible persons **selected**. A proxy interview was allowed after four callbacks to attempt a self-response. Those selected for self interview who were interviewed were eligible for the entire supplement, whereas proxy respondents standing in for those self-selected ones were only given an abbreviated interview.

Geographic Coverage:

Geography data are provided at the State level and some sub-state levels for specific metropolitan identifiers (Attachment 11).

Technical Description:

File Structure: Rectangular.
File Size: 139,571[1] logical person records; 1569 character logical record length. There are 91,294 total supplement eligible records for May 2019.
File Sort Sequence: The file is sorted by State (GESTFIPS) by household identification number by line number.

Reference Materials:

Current Population Survey, May 2019: Tobacco Use Supplement Technical Documentation. Documentation contains this abstract, questionnaire facsimiles, and record layouts of the file. Documentation is located at https://www.census.gov/programs-surveys/cps/technical-documentation/complete.html Census Bureau Documentation for May 2019 and other TUS survey waves are also located at https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/questionnaires.html .

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[1] (PRPERTYP=1,2,3 AND HRINTSTA in Type A, B, C)

Census Bureau. *The Current Population Survey Design and Methodology* (Technical Paper 77) describes in detail the sample design and survey procedures used as well as accuracy of estimates and sampling errors. A copy can be found at https://www.census.gov/programs-surveys/cps/technical-documentation/complete.html

File Availability:

The data contained herein are for the third (final) month's data for the 2018-2019 TUS wave; in particular, from the May 2019 fielding. Data from the July 2018 and the January 2019 fielding are also currently available. The main data files, technical documentation, and replicate weight files are all available for download at https://www.census.gov/programs-surveys/cps/technical-documentation/complete.html and will also be available directly from the NCI sponsor's site at https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/questionnaires.html.

An updated NCI TUS-CPS harmonized dataset to include data from 1992 through 2019 will be available soon. Please check the TUS website for updates and to sign-up for the TUS notifications listserv at https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/index.html.

The NCI TUS-CPS Management Team has developed the *2018-2019 Tobacco Use Supplement to the Current Population Survey (TUS-CPS) User Guide for Conducting Weighted Analyses*, which includes specific information and guidance on obtaining properly weighted statistics and appropriate variance estimates using the 2018-2019 data, and features illustrative examples of different types of analyses, including statistical code in both SAS and SAS-Callable SUDAAN. This user guide is available at https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/questionnaires-data#2018

ATTACHMENT 2

OVERVIEW

Current Population Survey

Introduction

The Current Population Survey (CPS) is the source of the official government statistics on employment and unemployment. The CPS has been conducted monthly for over 50 years. Currently, we obtain interviews from about 54,000 households monthly, scientifically selected on the basis of area of residence to represent the nation as a whole, individual states, and other specified areas. Each household is interviewed once a month for four consecutive months one year, and again for the corresponding time period a year later. This technique enables us to obtain reliable month-to-month and year-to-year comparisons at a reasonable cost while minimizing the inconvenience to any one household.

Although the main purpose of the survey is to collect information on the employment situation, a very important secondary purpose is to collect information on demographic characteristics such as age, sex, race, marital status, educational attainment, family relationship, occupation, and industry. From time to time, additional questions are included on health, education, income, and previous work experience. The statistics resulting from these questions serve to update similar information collected once every 10 years through the decennial census, and are used by government policymakers and legislators as important indicators of our nation's economic situation and for planning and evaluating many government programs.

The CPS provides current estimates of the economic status and activities of the population of the United States. Because it is not possible to develop one or two overall figures (such as the number of unemployed) that would adequately describe the whole complex of labor market phenomena, the CPS is designed to provide a large amount of detailed and supplementary data. Such data are made available to meet a wide variety of needs on the part of users of labor market information.

Thus, the CPS is the only source of monthly estimates of total employment (both farm and nonfarm); nonfarm self-employed persons, domestics, and unpaid helpers in nonfarm family enterprises; wage and salaried employees; and, finally, estimates of total unemployment.

It provides the only available distribution of workers by the number of hours worked (as distinguished from aggregate or average hours for an industry), permitting separate analyses of part-time workers, workers on overtime, etc. The survey is also the only comprehensive current source of information on the occupation of workers and the industries in which they work. Information is available from the survey not only for persons currently in the labor force but also for those who are outside the labor force. The characteristics of such persons - whether married women with or without young children, disabled persons, students, older retired workers, etc., can be determined. Information on their current desire for work, their past work experience, and their intentions as to job seeking are also available.

For a more detailed discussion about the basic labor force data gathered on a monthly basis in the CPS survey, see "Explanatory Notes and Estimates of Error" in any recent issue of the *Employment and Earnings*, a Bureau of Labor Statistics periodical. This source is referred to on the next page.

CPS Sample Design

The Current Population Survey (CPS) is a monthly survey designed primarily to produce national and state estimates of labor force characteristics of the civilian noninstitutional population (CNP) 16 years of age and older. It is conducted in approximately 60,000 eligible housing units throughout the United States. (Note: 'Eligible'can be simplistically defined as an occupied housing unit having at least one person in the CNP.) This sample includes 10,000 eligible housing units from the monthly supplementary sample to improve state-level estimates of health insurance coverage for low-income children, also known as the CHIP expansion. This supplementary sample has been part of the official CPS since July 2001. Thirty-two states plus the District of Columbia contain this supplementary sample each month.

The CPS sample is based on information from the 2010 Decennial Census, in accordance with usual practice. Historically, the CPS sample has been redesigned after each Decennial Census.

The CPS sample is a probability sample based on a stratified two-stage sampling scheme: selection of sample primary sampling units (PSUs) and selection of sample housing units within those PSUs. In general, the CPS sample is selected from lists of addresses obtained from the Master Address File (MAF) with updates from the United States Postal Service (USPS) twice a year. The MAF is the Census Bureau's permanent list of addresses, including their geographic locations, for individual living quarters. It is continuously maintained through partnerships with the USPS; with Federal, State, regional, and local agencies; and with the private sector, and it is used as a sample frame by many Census Bureau demographic surveys.

Approximately 72,000 housing units are assigned for interview each month, of which about 60,000 are occupied and thus eligible for interview. The remainder are units found to be destroyed, vacant, converted to nonresidential use, containing persons whose usual place of residence is elsewhere, or ineligible for other reasons. Of the 60,000 occupied housing units, approximately 10 percent are not interviewed in a given month due to temporary absence (vacation, etc.), the residents are not found at home after repeated attempts, inability of persons contacted to respond, unavailability for other reasons, and refusals to cooperate. The interviewed households contain approximately 108,000 persons 15 years old and over, approximately 27,000 children 0-14 years old, and about 450 Armed Forces members living with civilians either on or off base within these households. A more precise explanation regarding the CPS sample design is provided in "Explanatory Notes and Estimates of Error: Household Data - Sampling" in any issue of *Employment and Earnings*.

Relationship of Current Population Survey Files to Publications

Each month, a significant amount of information about the labor force is published by the Bureau of Labor Statistics in the *Employment and Earnings* and *Monthly Labor Review* reports.

As mentioned previously, the CPS also serves as a vehicle for supplemental inquiries on subjects other than employment, which are periodically added to the questionnaire. From the basic and supplemental data, the Bureau of the Census issues three series of publications under the general title Current Population Reports:

> P-20 Population Characteristics
> P-23 Special Studies
> P-60 Consumer Income

All Current Population Reports, including the other series for population estimates and projections and special censuses, may be obtained by subscription from the U.S. Government Printing Office at 202-783-3238. Subscriptions are available as follows: Population Characteristics, Special Studies, and Consumer Income series (P-20, P-23, P-60) combined, $101 per year (sold as a package only); Population Estimates and Projections, (P-25),

$27 per year. Single issues may be ordered separately; ordering information and prices are provided in the Bureau of the *Census Catalog and Guide*, the *Monthly Product Announcement* (MPA), and in *Census and You*. Selected reports also may be accessed on the INTERNET at http://census.gov/library/publications.html.

Geographic Limitations

The CPS sample was selected so that specific reliability criteria were met nationally, for each of the 50 States and for the District of Columbia. Since 1985, these reliability criteria have been maintained through periodic additions and deletions in the State samples. Estimates formed for geographic areas identified on the microdata file which are smaller than states are not as reliable.

Weights

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns for the entire panel of respondents. The CPS estimation procedure involves weighting the data from each sample person. The base weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. Almost all sample persons in the same state have the same base weight, but the weights across states are different. Selection probabilities may also differ for some sample areas due to field subsampling, which is done when areas selected for the sample contain many more households than expected. The base weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

1. **Noninterview adjustment**. The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This noninterview adjustment is made separately for clusters of similar sample areas that are usually, but not necessarily, contained within a state. Similarity of sample areas is based on Core-Based Statistical Area (CBSA) status and size. Within each cluster, there is a further breakdown by residence. Each CBSA cluster is split by "principal city" and "balance of the CBSA." The proportion of occupied sample households not interviewed fluctuates around 8 percent depending on weather, vacations, etc.

2. **Ratio estimates**. The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole in such characteristics as age, race, sex, and state of residence. Because these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the survey estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio adjustment as follows:

   a. *First-stage ratio estimate*. The purpose of the first-stage ratio adjustment is to reduce the contribution to variance that results from selecting a sample of PSUs rather than drawing sample households from every PSU in the nation. This adjustment is made to the CPS weights in two race cells: black and nonblack; it is applied only to PSUs that are nonself-representing and for those states that have a substantial number of black households. The procedure corrects for differences that existed in each state cell at the time of the 2000 census between 1) the race distribution of the population in sample PSUs and 2) the race distribution of all PSUs (both 1 and 2 exclude self-representing PSUs).

   b. *Second-stage ratio estimate*. This procedure substantially reduces the variability of estimates and corrects, to some extent, for CPS undercoverage. The CPS sample weights are adjusted to ensure that sample-based estimates of population match independent population controls. Three sets of controls are used:

      1) 51 state controls of the civilian noninstitutional population 16 years of age and older

      2) national civilian noninstitutional population controls for 14 hispanic and 5 nonhispanic age-sex categories

      3) national civilian noninstitutional population controls for 66 white, 42 black, and 10 "other" age-sex categories

The independent population controls are prepared by projecting forward the resident population as enumerated on April 1, 2000. The projections are derived by updating demographic census data with information from a variety of other data sources that account for births, deaths, and net migration. Estimated numbers of resident Armed Forces personnel and institutionalized persons reduce the resident population to the civilian noninstitutional population. Estimates of net census undercount, determined from the Post Enumeration Survey, are added to the population projections. Prior to January 2003, the projections were based on earlier censuses, and prior to January 1994, there was no correction for census undercount. A summary of the current procedures used to make population projections is given in "Revisions in the Current Population Survey Effective January 2003" in the January 2003 issue of Employment and Earnings..

Comparability of CPS From Microdata Files With Published Sources

Although total estimates of the total population will equal published estimates, labor force estimates produced from a microdata file may not be directly comparable or identical with the published nonseasonally adjusted labor force data. The official labor force statistics published by the Bureau of Labor Statistics (BLS) are calculated using the CPS composite weight (PWCMPWGT). Anyone wanting to replicate not seasonally adjusted BLS estimates should use this weight. However, not all estimates made from a public use file will match such weighted published estimates. This is because of various steps taken in the creation of CPS public use files to protect the confidentiality of CPS respondents. Top side estimates for most major demographic and economic categories such as age, race, gender and major labor force status will agree with the published totals; however, estimates for small groups/combinations of these characteristics will differ. The same is true for any estimates for any demographic or labor force characteristic not listed above. Such estimates will be similar but not identical.

Another factor also inhibits microdata comparison with published labor force data. This is the seasonal adjustment that is applied to many published statistics. This adjustment is used to adjust for normal seasonal variations to help distinguish the underlying economic situation in month-to-month changes and is not reflected in any of the weights or variables included on the public use files.

Shown below are data from January and July 2015 which demonstrate how estimates compiled using the final weights from the microdata file may differ from the published composited estimates, with and without seasonal adjustment. Note that the composite estimation procedure was not used for estimates published from January 1994 to May 1994. For a further description of both the composite estimator and seasonal adjustment, see the most recent of the CPS Technical Paper (66 or 77).

Comparison of CPS Estimates from Microdata Files with Published Sources

	Civilian Noninstitutional Population	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
January 2015 Data (000's)					
Final Weights	249,723	156,311	146,658	9,653	93,412
Composited (Not Seasonally Adjusted)	249,723	156,050	146,552	9,498	93,674
Composited (Seasonally Adjusted)	249,723	157,180	148,201	8,979	92,544
July 1993 Data (000's)					
Final Weights	250,876	159,112	150,176	8,936	91,764
Composited (Not Seasonally Adjusted)	250,876	158,527	149,722	8,805	92,349
Composited (Seasonally Adjusted)	250,876	157,106	148,840	8,266	93,770

ATTACHMENT 3

OVERVIEW

May 2019 Tobacco Use Supplement

General

Census Bureau staff conducted a Tobacco Use Supplement (TUS) to the Current Population Survey (CPS) in conjunction with the May 2019 CPS. The National Cancer Institute (NCI) and the U.S. Food and Drug Administration (FDA) currently co-sponsor the supplement. NCI has sponsored the TUS-CPS regularly since 1992 (more information on individual past waves can be found on the NCI website http://cancercontrol.cancer.gov/brp/tcrb/tus- cps/). The CPS is a monthly labor force survey conducted in approximately 50,000 interviewed households across the country. Attachment 8 contains a facsimile of the May 2019 TUS questions.

Major changes in content of the 2018-2019 series included:

- Capturing additional information on current cigarette use among adult respondents between the ages of 18 and 34 (who responded that they had not smoked at least 100 cigarettes).
- Adding back past items on use of cessation tools including nicotine replacement therapy, anti-depressants, and in-person counseling and support groups.
- Removing detailed items on use of dissolvable tobacco products.

New items include:

- Purchasing loose tobacco for roll-your-own cigarettes.
- Categorizing e-cigarette device type.
- Purchasing behaviors and costs for buying e-cigarettes, e-cigarette cartridges, or e-liquid.
- Policies toward e-cigarette use in the workplace and rules inside the home.
- Exposure to federal court mandated tobacco company corrective statements about the dangers of smoking cigarettes.
- Awareness and use of commonly called "heat not burn" tobacco products-**ONLY ADDED to May 2019 fielding.**

TUS data can be used by researchers to monitor tobacco control progress; conduct tobacco-related research, including tobacco health disparities; and evaluate tobacco control programs and policies. Although the TUS has changed slightly between 1992 and 2019, it has generally contained the same information covering:

- current cigarette smoking status and amount smoked;
- use of menthol cigarettes (since 2003);
- smoking history, quit attempts, and intention to quit;
- level of nicotine dependence (since 2003);
- cost of cigarettes and purchase location (since 2003);

- medical/dental advice to quit;
- cigar, pipe, and smokeless tobacco use;
- harm reduction and other emerging products (since 2003);
- workplace and home smoking restrictions; and
- attitudes toward smoke-free policies in public places.

More recent series have included more detailed information on:

- emerging tobacco products; e-cigarette items were added in the 2014-2015 series for the general population (while "ever use" of e-cigarettes among ONLY current and recently quit former users of any tobacco product was first introduced in May 2011).

- use of flavored non-cigarette tobacco products; and

- attitudes toward smoking in multi-unit housing.

The July 2018, January 2019 and May 2019 collections make up the 2018-19 TUS-CPS wave. Each file contains only TUS supplement data collected for the specific month (e.g., July 2018, January 2019 or May 2019) and its corresponding CPS data. State data will be most reliable when using data from all three months of data collection, within a survey wave. For this reason, we recommend using all three files when analyzing most state or sub- state level data.

For the May 2019 Tobacco Use Supplement, THE CITATION IS:

US Department of Commerce, Census Bureau 2020, National Cancer Institute and Food and Drug Administration co-sponsored Tobacco Use Supplement to the Current Population Survey May 2019. [http://cancercontrol.cancer.gov/brp/tcrb/tus -cps/](http://cancercontrol.cancer.gov/brp/tcrb/tus-cps/)

To cite the Technical Documentation and Data Files, use the following in the above citation: https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/questionnaires.html.

For more information about past, current and future NCI TUS, past data files'citations, data reports, and publications utilizing supplement data, see the NCI website: http://cancercontrol.cancer.gov/brp/tcrb/tus-cps/ .

The NCI TUS-CPS Management Team has developed the *2018-2019 Tobacco Use Supplement to the Current Population Survey (TUS-CPS) User Guide for Conducting Weighted Analyses*, which includes specific information and guidance on obtaining properly weighted statistics and appropriate variance estimates using the 2018-2019 data, and features illustrative examples of different types of analyses, including statistical code in both SAS and SAS-Callable SUDAAN. This user guide is available at https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/questionnaires-data#2018

Data Collection

Respondents are included in the 2018-19 TUS-CPS sample typically only once. The rotation of household in and out of sample for the TUS-CPS were generally sufficiently spaced with months between interviewing so the sample did not contain many overlapping panels and this eliminated most individuals being in the sample twice with-in the 2018-19 main data files.

The 2018-2019 Tobacco Use Supplement Items. The Supplement consisted of Items PEA1 through SINTTP. Most CPS household members age 18 years and older who had completed CPS Core items were eligible for these items in May 2019.

A new feature that was first implemented in the 2014-15 wave and continued in this 2018-2019 wave consisted of *random selection* of respondents in *larger households* to reduce respondent burden. If the household had only 1 or 2 supplement eligible members then those persons were selected for self-interview. If the household had 3 or 4 supplement eligible members, then 2 of them were randomly selected for self-interview. If the household had more than 4 supplement eligible members, then 3 of them were randomly selected for self-interview.

For those supplement eligible persons NOT randomly selected for self-interview, no supplement questions were asked, not even a proxy-response interview. This is a change from the previous collections for this supplement in 2014 and 2015 and earlier waves. A proxy interview was implemented for a selected self-interview respondent ONLY after four failed callback attempts.

Items for Both Proxy and Self-Respondents

Self-respondents were eligible for the entire supplement, whereas proxy respondents were only eligible for certain items. We only collected information from proxies on topics such as smoking status (Items PEA1 – PEA3) and the use of non-cigarette tobacco products- cigars (including cigar types: large/regular cigars, cigarillos, and little filtered cigars), pipes (asked separately about regular pipes and water pipes/hookah), electronic cigarettes (e-cigarettes), smokeless tobacco (including snuff, dip, chewing tobacco, and snus), and dissolvable tobacco. (Items PEJ1a@1-5 and PEJ2a@1-5).

Items for Self-Respondents Only

In addition to the smoking and other tobacco use status questions, we asked self-respondents various questions depending on their smoking/tobacco use status. SEE details for Questionnaire Sections B-K in ATTACHMENT 1- ABSTRACT.

Special Administrative Items

We also collected some special questions, such as type of interview [self (full) interview, proxy interview], the language in which the interview was conducted, the survey method (telephone vs. personal-visit interviews), Computer Assisted Telephone Interviewing (CATI) vs. Computer Assisted Personal Interviewing (CAPI), and the date of the interview.

NOTE:

Beginning with the 2003 TUSCS-CPS both every day and some-day current smokers who smoked at least 12 days in the last 30 days were asked about attempts to try to quit smoking lasting at least one day, including characteristics of the attempt(s). We asked those some-days smokers smoking less than 12 days during the past 30 days whether during the past 12 months, they had TRIED to QUIT smoking COMPLETELY (Da). Previous to 2001-02, only every day smokers were asked these questions on the TUS-CPS, and in 2001-02 all current cigarette smokers (both every-day and some-day) were asked these questions.

Data Processing

The data processing involved editing the May 2019 Supplement data. This process is described in the next section.

Edits, Allocations, and Recodes

Regular Edits Data processing involved a consistency edit of all supplement items. The consistency edit ensured that the entries within an individual record followed the correct skip pattern.

Other Edits We also edited the supplement data based on patterns of response, such as:

- making check items consistent with entries;
- making the various records of proxy/self consistent with each other; and
- assigning a code "88" in the variable PES78 when we knew that the interview was done by a proxy, but we did not know by whom.

Recodes We also created an interview status recode and a smoking status recode.

- The interview status recode is identified by the variable "INTRVIEW" where Code 1 is a TUS interview (self or proxy). Code 2 refers to non-interviews among those *originally* eligible for the supplement who are adults 18 years and older who are members of CPS interviewed households and not active duty members of the armed forces. Thus, Code 2 also includes those excluded from *final* eligibility and not interviewed due to having incompleted CPS interviews or those not randomly selected for supplement interview, as well as those nonresponses to TUS interview.. Code -1 refers to those records ineligible from the start for TUS interview because they are CPS non-response household records, are children (0-14 years of age), adults 15-17 years of age, or on active duty in the armed forces.

- The smoking status recode is identified by the variable "SMOKSTAT" where Code 1 is a "never smoker," Code 2 is an "every day smoker," Code 3 is a "some days smoker," Code 4 is a "former smoker," and Code -9 is "indeterminate (unknown) smoking status. This recode refers to the smoking status based on the "100 cigarettes" definition of smoking, Thus, those 18-34 year olds who responded No, Don't Know (DK), or Refused (R) to the PEA1 item ("Have you EVER smoked 100….) who were also asked item PEA3 ("Do you NOW smoke every day, some days, or Not at all?") to explore experimental current smoking, are categorized according to whether or not they answered YES, or NO/DK/R to PEA1 (EVER smoked at least 100 cigarettes) and ONLY a Yes response to A1 had their A3 responses considered.

Disclosure Avoidance Methods Variables indicating either a number of cigarettes smoked during a time period or a price paid for cigarettes were subjected to disclosure avoidance techniques, by topcoding the value, and for the price paid items, rounding to the nearest five cents in addition to topcoding by state. More detail about these disclosure avoidance techniques and how they were determined will be provided at a later date.

The values and position locations for each variable are defined and identified in the supplement record layout (Attachment 7). Skip patterns instead of universes are provided in the questionnaire facsimile in Attachment 8.

Weighting

PWSSWGT for Labor Force Data All adult records retain the "basic CPS weight," which controls for age, race, sex, and Hispanic origin estimates and for individual state 16+ estimates. Use the basic CPS final weight PWSSWGT for tallying the labor force items. For a description of this weight, see Attachment 2, "Overview of the Current Population Survey."

Special Supplement Weights This file contains two special supplement weights: a supplement non-response adjustment weight and a supplement self-only non-response adjustment weight. In addition to maintaining national demographic totals (for age, sex, race, and origin), these weights were designed to maintain each state's population total.

Supplement Non-Response and Self-only Non-Response Weights
- Use the supplement non- response adjustment weight PWNRWGT when using ALL respondents (self or proxy) for tallying the limited set of tobacco use status supplement items.
- When you are interested in ONLY SELF- response analysis (especially for those detailed items ONLY asked on the FULL self-response interview), use the supplement self-only non-response adjustment weight PWSRWGT for tallying the supplement items.

Special Replicate Weights File. A set of special replicate weights for making variance estimates such as standard errors and creating confidence intervals to account for the complex sample design of CPS and TUS have been created and exist on separate files. Replicate weight files are available from the Census Bureau at (https://www.census.gov/data/datasets/time-series/demo/cps/cps-supp_cps-repwgt.html) and are also directly available from the NCI TUS-CPS website http://cancercontrol.cancer.gov/brp/tcrb/tus-cps/questionnaires.html .

Use of Weights When Using All Three Files. The best analysis of the TUS-CPS data, especially for states and smaller localities, will come from combining the data in all three collection periods -July 2018 with January 2019 and May 2019. To use the main weights as well as the replicate weights when combining the three data files, divide each weight by three. The use of a replicate weighting method is suggested for calculating standard errors of estimates.

May 2019 NCI and FDA co-sponsored TUS-CPS Files

CPS Labor Force Data. The May 2019 CPS file contains 139,571 records. The first 1000 characters contain the labor force data for each record. Attachment 6 contains the CPS Basic Items Record Layout, which includes the variable name, character size, location on the record, universe, and the possible values of each basic CPS variable included on the file.

PRPERTYP determines the type of record as follows:

PRPERTYP

1 = Child household member (0-14 years old)
2 = Adult civilian household member (15 + years old)
3 = Adult Armed Forces household member (15 + years old)

HRINTSTA determines the interview status of the household.

HRINTSTA

1 = Interviewed
2 = Type A Non-interview (These records represent households that were eligible for CPS interview but were not interviewed because no one was home, household members were temporarily absent, etc.)
3 = Type B Non-interview (These records represent sample addresses determined to be ineligible for the CPS by virtue of a temporary situation, such as being vacant, nonresidential, etc. These households could become eligible for a CPS interview.)
4 = Type C Non-interview (These records represent sample addresses determined to be ineligible for CPS by virtue of a permanent change such as demolished, condemned, etc. These addresses will not be visited again for CPSinterviews.)

The Total Number of Records is Determined by Combining the Values of PRPERTYP (1-3) and HRINTSTA (2-4).

The values of PRPERTYP are:

<u>Unweighted Counts</u>

	May 2019
1 = Child	21,464
2 = Adult Civilian, 15+	96,133
3 = Adult, Armed Forces	376
Total	**117,973**

The values of HRINTSTA are:

1 = Interview	117,973[1]
2 = Type A Non-interview	10,726
3 = Type B Non-interview	10,354
4 = Type C Non-interview	518
	139,571

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[1] Equal to PRPERTYP in 1, 2 or 3

Supplement Response (Non-Response) and Supplement Self-Only Response (Non-Response) Rates

Non-response . The effect of non-response cannot be measured directly, but one indication of its potential effect is the supplement response rate (or non-response rate). For the May 2019 basic CPS, the household- level response rate was 82.0 percent. The person-level response rates for the Tobacco Use Supplement were 75.7 percent for the total (allowing all self and proxy responses) and 56.2 percent for self-response only (counting proxy responses as non-responses).

Since the basic CPS non-response rate is a household-level rate and the Tobacco Use supplement non-response rate is a person-level rate, we cannot combine these rates to derive an overall non-response rate. Nonresponding households may have fewer persons than interviewed ones, so combining these rates may lead to an overestimate of the true overall non-response rate for persons for the Tobacco Use Supplement. In order for an individual to be eligible for the supplement, the individual's basic CPS questionnaire must have been completed. Final eligibility is further limited to those who were randomly selected based on household size for FULL self -response interview.

The TUS response rate is calculated as the percentage of those who completed the TUS (interviewed) to those who were eligible to complete it after all previous exclusions .

For the break-down by response type and sample size, see the chart below.

May 2019	Count	Percent
Total Eligible for TUS Interview	77,751[2]	100.0
Self Respondents	43,665	56.2
Proxy Respondents	15,189	19.5
Non-Respondents	18,897	24.3

The Total Number of TUS-CPS Interviewed Adults 18+ (INTRVIEW=1) for May 2019 is: **58,854**[3]

Those INELIGIBLE for the TUS (N=61,820) include:
- adults 18 and up that were NOT randomly selected for interview (N=13,168[4])
- children 0-14 years of age (N=21,464),
- adults 15-17 years of age (N =4,590),
- those adults in the Armed Forces (N=376),
- those with incomplete CPS interviews (N = 624)[5] and
- CPS non-interviewed persons (N = 21,598).

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[2] Total eligible for TUS interview. These counts for "eligible" and "interviewed" include 9 respondents who were interviewed (8 by self-response and 1 by proxy) although they had not been randomly selected for interview. Likewise, the "ineligible" count for adults 18+ that were not randomly chosen for interview excludes these 9 respondents to keep the total number of persons/records consistent.

[3] Interviewed

[4] NOT randomly selected for interview

[5] those with incomplete CPS interviews (N = 624) include 375 who had missing age at time of survey and thus had no opportunity to be randomly selected among those eligible CPS respondents 18+ (later found to actually be 18+) and 249 had CPS incomplete interviews for some other reason.

ATTACHMENT 3b

Tobacco Use Supplements (TUS-CPS)

TUS-CPS Data Harmonization and Its Linkages to Other CPS Supplements and Health Outcomes Data

Data Harmonization

Data from 1992 through the 2015 waves of the TUS-CPS have been harmonized into a single file by NCI to provide a more robust data source by increasing the sample size for measures and to allow for more seamless tracking of trends over time. Data from the 2018-2019 series will be added to the harmonized dataset after all three data collection months are available. Please visit https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/questionnaires.html for more information on the harmonized data and see 2019 Workshop presentation, https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/workshops/2019/TUS-SRNT2019WorkshopPresent.pdf

Harmonized Topics

Core variables from CPS (demographic, geographic, occupational, economic variables) were included in the harmonization. Harmonized topics include:

- Cigarette use, both current and prior usage among daily and nondaily smokers. Also includes menthol use since 2003
- Workplace and home smoking restrictions
- Attitudes toward smoke-free policies in indoor work areas/public places (no harmonization for smoke-free attitudes for multi-unit housing which started in 2014-15 and will later be harmonized with 2018-19 and future data)
- Advice by physician/dentist to quit smoking
- Health perceptions/beliefs (harm reduction)
- Smoking history including cessation attempts and aids used for both current and former smokers
- Other tobacco products: cigar, pipe, and smokeless tobacco use; other emerging products, including e-cigarettes.

Data Collection

Respondents are included in a TUS-CPS sample (wave) typically only once. The rotation of households in and out of sample for the TUS-CPS was generally sufficiently spaced, with months between interviewing so the sample did not contain many overlapping panels. This spacing eliminated most individuals being in the sample twice within the various TUS waves main data files. Intentional exceptions to this are for those longitudinal cohorts in which follow-up was a goal such as for May 2010-2011 and February 2002-2003. A limited cohort was also created to examine changes in wording of other tobacco products for January and May 1999 with January and May 2000, respectively.

Additional information on data collection waves can be found on the NCI website http://cancercontrol.cancer.gov/brp/tcrb/tus-cps/questionnaires.html and in the technical documentation for each individual month's data collection.

Information on TUS-CPS Linkages to Other CPS Supplements and Health Outcomes Data

A unique feature of the CPS is its panel design, in which each household in the sample is surveyed for four consecutive months (panels # 1-4) and then for four more consecutive months (panels # 5-8) nine months later. SEE:

- Attachment # 2- Overview of the Current Population Survey in this Technical Documentation, and
- U.S. Department of Commerce. 2019. Current Population Survey: Design and Methodology Technical Paper 77. Washington, D.C. U.S. Census Bureau http://www.census.gov/prod/2019pubs/tp-77.pdf] .

Due to this sampling strategy a subset of persons who were in sample for any given month of TUS-CPS fielding (e.g., July 2018, January 2019, or May 2019) can be linked with other CPS Basic and Supplement data from surveys conducted within about + /- 15 months of a TUS-CPS. This affords an opportunity to not only create a special cohort follow-up (as we did in Feb. 2002-03 and May 2010-11), but also to include other topics in analysis from March Annual Social and Economic Supplement (ASEC), Computer and Internet and Use, American Time Use (ATUS), Voting and Registration, Food Security, Veterans, and other CPS Supplements.

For a listing of CPS Supplements, see https://www.census.gov/programs-surveys/cps/about/supplemental-surveys.html , for specific CPS Supplements see the Census CPS ftp website for individual Supplement's Technical Documentation and data download at https://www.census.gov/programs-surveys/cps/technical-documentation/complete.html and for some examples of recent info see:

- March Annual Social and Economic (ASEC) Supplement:

  https://www.census.gov/programs-surveys/cps.html

- Computer and Internet Use Supplement: https://www.census.gov/topics/population/computer-internet.html

- American Time Use Supplement (ATUS): https://www.bls.gov/tus/

- Voting and Registration Supplement:

  https://www2.census.gov/programs-surveys/cps/techdocs/cpsnov18.pdf and https://www.census.gov/topics/public-sector/voting/data.html

- Food Security Supplement:

  https://www2.census.gov/programs-surveys/cps/techdocs/cpsdec17.pdf and https://www.ers.usda.gov/data-products/food-security-in-the-united-states/

- Veterans Supplement:

  https://www2.census.gov/programs-surveys/cps/techdocs/cpsaug17.pdf

For matching variables and procedures for merging other CPS Supplement data to the 2018-19 TUS –CPS files and earlier TUS-CPS series, see:

- Census Bureau website document on linking the CPS public use data files, https://www2.census.gov/programs-surveys/cps/methodology/How%20To%20Link%20CPS%20Public%20Use%20Files.pdf.
- http://www.cancermeetings.org/TUSCPSWebinar/presentations.cfm , especially http://www.cancermeetings.org/TUSCPSWebinar/documents/TUSCPS_Webinar_Gibson.pdf

- https://www2.census.gov/programs-surveys/cps/techdocs/cpsmay10-11.pdf

- https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/workshops/index.html

For how to generally reweight a subset of multiple panel data from the same individuals, see:

- the NCI report describing how we reweighted the TUS 2002-2003 Overlap (Longitudinal) Cohort data: Weighting the Overlap Sample report (PDF) , , https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/TUS-CPS_overlap.pdf and
- https://www2.census.gov/programs-surveys/cps/techdocs/cpsmay10-11.pdf

TUS-CPS data can also be linked to health outcomes data with the **National Longitudinal Mortality Study (NLMS)**. Currently TUS-CPS data is linked to the March ASEC data which is the basis of the cohorts in the NLMS. Health outcomes data include primarily disease-specific cause mortality through its match to the National Death Index. Other existing or future opportunities will include linkages with NCI SEER Cancer Registry and Medicare claims data. See the following websites for more information:

- https://census.gov/nlms and https://www.census.gov/topics/research/nlms.Reference_Manual.html
- https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/linkages.html

ATTACHMENT 4

GLOSSARY

Current Population Survey

Age–Age classification is based on the age of the person at his/her last birthday. The adult universe (i.e., population of marriageable age) is comprised of persons 15 years and over for CPS labor force data.

Allocation Flag–Each edited item has a corresponding allocation flag indicating the nature of the edit. See the attachment on allocation flags for more information. The second character of the item name is always "X".

Armed Forces–Demographic information for Armed Forces members (enumerated in off-base housing or on-base with their families) is included on the CPS data files. No labor force information is collected of Armed Forces members in any month. In March, supplemental data on income are included for Armed Forces members. This is the only month that non-demographic information is included for Armed Forces members.

Civilian Labor Force–(See Labor Force.)

Class of Worker–This refers to the broad classification of the person's employer. These broad classifications for current jobs are:

1) Federal government
2) State government
3) Local government
4) Private industry (including self-employed, incorporated)
5) Self-employed (not incorporated)
6) Working without pay

Domain–The domain for an item is a list or range of its possible values. Note that all unedited items have possible values of -1 (blank), -2 (don't know), and -3 (refused). Since all items have these possible values, they are not shown as valid entries for each item.

Duration of Unemployment–Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed are continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of two weeks or more during which a person is employed or ceased looking for work is considered to break the continuity of the present period of seeking work.

Earners, Number of–The file includes all persons 15 years old and over in the household with $1 or more in wages and salaries, or $1 or more of a loss in net income from farm or nonfarm self-employment during the preceding year.

Edited item–An edited item is allocated or imputed by the processing system. In most cases this means allocating a value where the unedited item contains a value of blank, "don't know", or "refused". The second character of the item name is always "E".

An edited version of an item exists only if that item is processed through the edits. If the edits never deal with a particular item, then that item only has an unedited version.

Since the instrument enforces skip patterns and consistency between many items, the edits are left mainly with the job of allocating missing values. Also, since an interviewer is allowed to "back up" in the interview, there may be "off-path" items filled in the unedited data. The edits also blank these off-path items if an edited version of the items exists.

Education–(See Level of School Completed.)

Employed–(See Labor Force.)

Family–A family is a group of two persons or more (one of whom is the householder) residing together and related by birth, marriage, or adoption. All such persons (including related subfamily members) are considered as members of one family. Beginning with the 1980 CPS, unrelated subfamilies (referred to in the past as secondary families) are no longer included in the count of families, nor are the members of unrelated subfamilies included in the count of family members.

Family Household–A family household is a household maintained by a family (as defined above), and may include among the household members any unrelated persons (unrelated subfamily members and/or secondary individuals) who may be residing there. The number of family households is equal to the number of families. The count of family household members differs from the count of family members, however, in that the family household members include all persons living in the household, whereas family members include only the householder and his/her relatives. (See the definition of Family).

Family Weight–This weight is used only for tallying family characteristics. In March, the weight on the family record is the March supplement weight of the householder or reference person.

Final Weight–Used in tabulating labor force items in all months, including March. The final weight is controlled to independent estimates for:

1) States
2) Origin, Sex, and Age
3) Age, Race, and Sex

This weight should not be used when tabulating March supplement data.

Full-Time Worker–Persons on full-time schedules include persons working 35 hours or more, persons who worked 1-34 hours for noneconomic reasons (e.g., illness) and usually work full-time, and persons "with a job but not at work" who usually work full-time.

Group Quarters–Group quarters are noninstitutional living arrangements for groups not living in conventional housing units or groups living in housing units containing nine or more persons unrelated to the person in charge.

Head Versus Householder–Beginning with the March 1980 CPS, the Bureau of the Census discontinued the use of the terms "head of household" and "head of family." Instead, the terms "householder" and "family householder" are used.

Highest Grade of School Attended–(See Level of School Completed.)

Hispanic/Non-Hispanic Origin–A person's Hispanic/Non-Hispanic status in this file is determined on the basis of a question that simply asks "(Is/Are) (Name/you) Hispanic?"

Hours of Work–Hours of work statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who is off on the Veterans Day holiday is reported as working 32 hours even though he is paid for the holiday.

For persons working in more than one job, the figures related to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

Household–A household consists of all the persons who occupy a house, an apartment, or other group of rooms, or a room, which constitutes a housing unit. A group of rooms or a single room is regarded as a housing unit when it is occupied as separate living quarters; that is, when the occupants do not live with any other person in the structure, and when there is direct access from the outside or through a common hall. The count of households excludes persons living in group quarters, such as military barracks and institutions. Inmates of institutions (mental hospitals, rest homes, correctional institutions, etc.) are not included in the survey.

Household Weight–The household weight is used for tallying household characteristics. In March, the household weight is the March Supplement weight of the householder.

Householder–The householder refers to the person (or one of the persons) in whose name the housing unit is owned or rented (maintained) or, if there is no such person, any adult member, excluding roomers, boarders, or paid employees. If the house is owned or rented jointly by a married couple, the householder may be either the husband or the wife. The person designated as the householder is the "reference person" to whom the relationship of all other household members, if any, is recorded.

Householder With No Other Relatives in Household–A householder who has no relatives living in the household. This is the entry for a person living alone. Another example is the designated householder of an apartment shared by two or more unrelated individuals.

Householder With Other Relatives (Including Spouse) in Household–The person designated as householder if he/she has one or more relatives (including spouse) living in the household.

Industry, Occupation, and Class of Worker (I&O)–**Current Job** (basic data)–For the employed, current job is the job held in the reference week (the week before the survey). Persons with two or more jobs are classified in the job at which they worked the most hours during the reference week. The unemployed are classified according to their latest full-time job lasting two or more weeks or by the job (either full-time or part-time). The I & O questions are also asked of persons not in the labor force who are in the fourth and eighth months in sample and who have worked in the last five years.

Job Seekers–All unemployed persons who made specific efforts to find a job sometime during the 4-week period preceding the survey week.

Longitudinal Weight–Used for gross flows analysis. Only found on adult records matched from month to month.

PEMLR–**(Major Labor Force Recode)**–This classification is available for each civilian 15 years old and over according to his/her responses to the monthly (basic) labor force items.

Labor Force–Persons are classified as in the labor force if they are employed, unemployed, or in the Armed Forces during the survey week. The "civilian labor force" includes all civilians classified as employed or unemployed. The file includes labor force data for civilians age 15 and over. However, the official definition of the civilian labor force is age 16 and over.

1. *Employed*

    Employed persons comprise (1) all civilians who, during the survey week, do any work at all as paid employees or in their own business or profession, or on their own farm, or who work 15 hours or more as unpaid workers on a farm in a business operated by a member of the family; and (2) all those who have jobs but who are not working because of illness, bad weather, vacation, or labor-management dispute, or because they are taking time off for personal reasons, whether or not they are seeking other jobs. These persons would have a Monthly Labor Force Recode (MLR) of 1 or 2 respectively in characters 180-181 of the person record which designates "at work" and "with a job, but not at work." Each employed person is counted only once. Those persons who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week. If they worked an equal number of hours at more than one job, they are counted at the job they held the longest.

2. *Unemployed*

    Unemployed persons are those civilians who, during the survey week, have no employment but are available for work, and (1) have engaged in any specific job seeking activity within the past 4 weeks such as registering at a public or private employment office, meeting with prospective employers, checking with friends or relatives, placing or answering advertisements, writing letters of application, or being on a union or professional register; (2) are waiting to be called back to a job from which they had been laid off; or (3) are waiting to report to a new wage or salary job within 30 days. These persons would have an MLR code of 3 or 4 in characters 180-181 of the person record. The unemployed includes job leavers, job losers, new job entrants, and job reentrants.

    a. *Job Leavers*

        Persons who quit or otherwise terminate their employment voluntarily and immediately begin looking for work.

    b. *Job Losers*

        Persons whose employment ends involuntarily, who immediately begin looking for work, and those persons who are already on layoff.

    c. *New Job Entrants*

        Persons who never worked at a full-time job lasting two weeks or longer.

    d. *Job Reentrants*

        Persons who previously worked at a full-time job lasting two weeks or longer but are out of the labor force prior to beginning to look for work.

Finally, it should be noted that the unemployment rate represents the number of persons unemployed as a percent of the civilian labor force 16 years old and over. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, etc. The job loser, job leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force 16 years old and over; the sum of the rates for the four groups thus equals the total unemployment rate.

3.   *Not in Labor Force*

All civilians 15 years old and over who are not classified as employed or unemployed. These persons are further classified by major activity: retired, unable to work because of long-term physical or mental illness, and other. The "other" group includes, for the most part, students and persons keeping house. Persons who report doing unpaid work in a family farm or business for less than 15 hours are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for three previous months and would not be in for the subsequent month.

Persons classified as NILF have an MLR code of 5-7 in characters 180-181 of the person record.

Layoff–A person who is unemployed but expects to be called back to a specific job. If he/she expects to be called back within 30 days, it is considered a temporary layoff; otherwise, it is an indefinite layoff.

Level of School Completed/Degree Received–These data changed beginning with the January 1992 file. A new question, "What is the highest level of school ... has completed or the highest degree ... has received?" replaced the old "Highest grade attended" and "Year completed" questions. The new question provides more accurate data on the degree status of college students. Educational attainment applies only to progress in "regular" school. Such schools include graded public, private, and parochial elementary and high schools (both junior and senior high), colleges, universities, and professional schools, whether day schools or night schools. Thus, regular schooling is that which may advance a person toward an elementary school certificate or high school diploma, or a college, university, or professional school degree. Schooling in other than regular schools is counted only if the credits obtained are regarded as transferable to a school in the regular school system.

Looking for Work–A person who is trying to get work or trying to establish a business or profession.

Marital Status–The marital status classification identifies four major categories: single (never married), married, widowed, and divorced. These terms refer to the marital status at the time of enumeration.

The category "married" is further divided into "married, civilian spouse present," "married, Armed Force spouse present," "married, spouse absent," "married, Armed Force spouse absent," and "separated." A person is classified as "married, spouse present" if the husband or wife is reported as a member of the household even though he or she may be temporarily absent on business or on vacation, visiting, in a hospital, etc., at the time of the enumeration. Persons reported as "separated" included those with legal separations, those living apart with intentions of obtaining a divorce, and other persons permanently or temporarily estranged from their spouses because of marital discord.

For the purpose of this file, the group "other marital status" includes "widowed and divorced," "separated," and "other married, spouse absent."

Month-In-Sample–The term is defined as the number of times a unit is interviewed. Each unit is interviewed eight times during the life of the sample.

Never Worked−A person who has never held a full-time civilian job lasting two consecutive weeks or more.

Nonfamily Householder−A nonfamily householder (formerly called a primary individual) is a person maintaining a household while living alone or with nonrelatives only.

Nonworker−A person who does not do any work in the calendar year preceding the survey.

Nonrelative of Householder With No Own Relatives in Household−A nonrelative of the householder who has no relative(s) of his own in the household. This category includes such nonrelatives as a foster child, a ward, a lodger, a servant, or a hired hand, who has no relatives of his own living with him in the household.

Nonrelative of Householder With Own Relatives (Including Spouse)in Household−Any household member who is not related to the householder but has relatives of his own in the household; for example, a lodger, his spouse, and their son.

Other Relative of Householder−Any relative of the householder other than his spouse or child; for example, father, mother, grandson, daughter-in-law, etc.

Out Variable−An instrument-created item that stores the results of another item.

Own Child−A child related by birth, marriage, or adoption to the family householder.

Part-Time, Economic Reasons−The item includes slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. (See also Full-Time Worker.)

Part-Time, Other Reasons−The item includes labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during peak season.

Part-Time Work−Persons who work between 1 and 34 hours are designated as working "part-time" in the current job held during the reference week. For the March supplement, a person is classified as having worked part-time during the preceding calendar year if he worked less than 35 hours per week in a majority of the weeks in which he worked during the year. Conversely, he is classified as having worked full-time if he worked 35 hours or more per week during a majority of the weeks in which he worked.

Part-Year Work−Part-year work is classified as less than 50 weeks' work.

Population Coverage−Population coverage includes the civilian population of the United States plus approximately one million members of the Armed Forces in the United States living off post or with their families on post but excludes all other members of the Armed Forces. This file excludes inmates of institutions. The labor force and work experience data are not collected for Armed Forces members.

Processing Recode−An item calculated by the processing system from a combination of other items in the database. The second character of the item name is always "R".

Race−The population is divided into six groups on the basis of race: White, Black or African American, American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, and Other races. The 2011 CPS uses the Census 2010 question on race that allows for more than one race reporting, but does not include the Census 2010 "Some Other Race" category.

Reentrants−Persons who previously worked at a full-time job lasting two weeks or longer, but who are out of the labor force prior to beginning to look for work.

Related Children–Related children in a family include own children and all other children in the household who are related to the householder by birth, marriage, or adoption. For each type of family unit identified in the CPS, the count of own children under 18 years old is limited to single (never married) children; however, "own children under 25" and "own children of any age," include all children regardless of marital status. The totals include never-married children living away from home in college dormitories.

Related Subfamily–A related subfamily is a married couple with or without children, or one parent with one or more own single (never married) children under 18 years old, living in a household and related to, but not including, the householder or spouse. The most common example of a related subfamily is a young married couple sharing the home of the husband's or wife's parents. The number of related subfamilies is not included in the number of families.

School, Major Activity–A person who spent most of his time during the survey week attending any kind of public or private school, including trade or vocational schools in which students receive no compensation in money or kind.

Secondary Individual–A secondary individual is a person in a household or group quarters such as a guest, roomer, boarder, or resident employee (excluding nonfamily households and inmates of institutions) who is not related to any other person in the household or group quarters.

Self-Employed–Self-employed persons are those who work for profit or fees in their own business, profession or trade, or operate a farm.

Stretches of Unemployment–A continuous stretch is one that is not interrupted by the person getting a job or leaving the labor market to go to school, to keep house, etc. A period of two weeks or more during which a person is employed or ceased looking for work is considered to break the continuity of the period of seeking work.

Unable to Work–A person is classified as unable to work because of long-term physical or mental illness, lasting six months or longer.

Unedited item–An item that is produced by the computer automated instrument, either collected during the interview or created by the instrument. The second character of the item name is always "U".

Unemployed–(See Labor Force.)

Unpaid Family Workers–Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by birth or marriage.

Unrelated Individuals–Unrelated individuals are persons of any age (other than inmates of institutions) who are not living with any relatives. An unrelated individual may be (1) a nonfamily householder living alone or with nonrelatives only, (2) a roomer, boarder, or resident employee with no relatives in the household, or (3) a group quarters member who has no relatives living with him/her. Thus, a widow who occupies her house alone or with one or more other persons not related to her, a roomer not related to anyone else in the housing unit, a maid living as a member of her employer's household but with no relatives in the household, and a resident staff member in a hospital living apart from any relatives are all examples of unrelated individuals.

Unrelated Subfamily–An unrelated subfamily is a family that does not include among its members the householder and relatives of the householder. Members of unrelated subfamilies may include persons such as guests, roomers, boarders, or resident employees and their relatives living in a household. The number of unrelated subfamily members is included in the number of household members but is not included in the count of family members.

Persons living with relatives in group quarters were formerly considered as members of families. However, the number of such unrelated subfamilies became so small (37,000 in 1967) that beginning with the data for 1968 (and beginning with the census data for 1960) the Bureau of the Census includes persons in these unrelated subfamilies in the count of secondary individuals.

Veteran Status–If a person served at any time during the four most recent wartime periods, the codes for all periods of service are entered. A person can report up to 4 periods of service. The following codes are used:

> 0 Children under 15
> 1 September 2001 or later
> 2 August 1990 to August 2001
> 3 May 1975 to July 1990
> 4 Vietnam era (Aug 1964 to Apr 1975)
> 5 February 1955 to July 1964
> 6 Korean War (July 1950 to January 1955)
> 7 January 1947 to June 1950
> 8 World War II (December 1941 to December 1946)
> 9 November 1941 or earlier

Wage and Salary Workers–Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental unit. Also included are persons who are self-employed in an incorporated business.

Workers–(See Labor Force--Employed.)

Work Experience–Includes those persons who during the preceding calendar year did any work for pay or profit or worked without pay on a family-operated farm or business at any time during the year, on a part-time or full-time basis.

Year-Round Full-Time Worker–A year-round full-time worker is one who usually worked 35 hours or more per week for 50 weeks or more during the preceding calendar year.

ATTACHMENT 5

HOW TO USE THE RECORD LAYOUT

Data users familiar with the CPS data files in prior years will see many similarities between the format of this file and those files released before January 1994. As in the past, there are numeric locations on the file which correspond to each variable. There is only one record layout which contains the variables for children, adults, and armed forces members. In prior years, each type of person had a separate record layout.

Item Naming Conventions

⊄　　The first character of each variable name is one of the following:

　　　　H - Household item
　　　　G - Geography item
　　*　P - Person item (includes adult items, child items, and armed forces items)

　　　*　There is no need to distinguish adult, child, and armed forces items in the variable names in the new system. The recode **PRPERTYP** (located in positions 161-162) tells you what category the person is in.

⊄　　The second character of each variable name is one of the following:

　　　　E - Edited item
　　　　U - Unedited item
　　　　X - Allocation flag (see Attachment 15 for more information)
　　　　W - Weight
　　　　R - Recode

⊄　　The remaining characters describe the variable.

⊄　　For multiple entry items, the file contains a separate variable for each possible response. Each item has the same descriptive name but a number is added as the last digit. For example, Question 22A allows separate entries for up to 6 job search methods. The item names are **PELKM1** (this item is edited), **PULKM2**, (this item is unedited), **PULKM3**, etc. These items are located in positions 296-307 of the record layout.

ATTACHMENT 6

CPS RECORD LAYOUT FOR BASIC LABOR FORCE ITEMS

STANDARD PUBLIC USE FILES

A1. HOUSEHOLD INFORMATION

```
**********************************
* STARTING JANUARY 2017 *
**********************************
```

NAME	SIZE	DESCRIPTION	LOCATION
HRHHID	15	HOUSEHOLD IDENTIFIER (Part 1)	1- 15

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

Part 1. See Characters 71-75 for Part 2 of the Household Identifier.

HRMONTH	2	MONTH OF INTERVIEW	16-17

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

<u>VALID ENTRIES</u>

01   MIN VALUE
12   MAX VALUE

HRYEAR4	4	YEAR OF INTERVIEW	18-21

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

<u>VALID ENTRIES</u>

1998 MIN VALUE
2999 MAX VALUE

HURESPLI	2	LINE NUMBER OF THE CURRENT RESPONDENT	22 - 23

<u>VALID ENTRIES</u>

0   MIN VALUE
99   MAX VALUE

NAME	SIZE	DESCRIPTION	LOCATION
HUFINAL	3	FINAL OUTCOME CODE	24 - 26

OUTCOME CODES BETWEEN 001 AND 020 ARE FOR CATI.
ALL OTHER OUTCOME CODES ARE FOR CAPI.

<u>VALID ENTRIES</u>

001 FULLY COMPLETE CATI INTERVIEW
002 PARTIALLY COMPLETED CATI INTERVIEW
003 COMPLETE BUT PERSONAL VISIT REQUESTED NEXT MONTH
004 PARTIAL, NOT COMPLETE AT CLOSEOUT
005 LABOR FORCE COMPLETE, SUPPLEMENT INCOMPLETE - CATI
006 LF COMPLETE, SUPPLEMENT DK ITEMS INCOMPLETE AT
     CLOSEOUT–ASEC ONLY
020 HH OCCUPIED ENTIRELY BY ARMED FORCES MEMBERS
     OR ALL UNDER 15 YEARS OF AGE
201 CAPI COMPLETE
202 CALLBACK NEEDED
203 SUFFICIENT PARTIAL - PRECLOSEOUT
204 SUFFICIENT PARTIAL - AT CLOSEOUT
205 LABOR FORCE COMPLETE, - SUPPL. INCOMPLETE - CAPI
213 LANGUAGE BARRIER
214 UNABLE TO LOCATE
216 NO ONE HOME
217 TEMPORARILY ABSENT
218 REFUSED
219 OTHER OCCUPIED - SPECIFY
223 ENTIRE HOUSEHOLD ARMED FORCES
224 ENTIRE HOUSEHOLD UNDER 15
225 TEMP. OCCUPIED W/PERSONS WITH URE
226 VACANT REGULAR
227 VACANT - STORAGE OF HHLD FURNITURE
228 UNFIT, TO BE DEMOLISHED
229 UNDER CONSTRUCTION, NOT READY
230 CONVERTED TO TEMP BUSINESS OR STORAGE
231 UNOCCUPIED TENT OR TRAILER SITE
232 PERMIT GRANTED - CONSTRUCTION NOT STARTED
233 OTHER - SPECIFY
240 DEMOLISHED
241 HOUSE OR TRAILER MOVED
242 OUTSIDE SEGMENT
243 CONVERTED TO PERM. BUSINESS OR STORAGE
244 MERGED
245 CONDEMNED
247 UNUSED SERIAL NUMBER OR LISTING SHEET
248 OTHER - SPECIFY
258 UNLOCATABLE SAMPLE ADDRESS

NAME	SIZE	DESCRIPTION	LOCATION

259 UNIT DOES NOT EXIST/OUT OF SCOPE
256 REMOVED DURING SUB-SAMPLING
257 UNIT ALREADY HAD A CHANCE OF SELECTION

| FILLER | 2 | | 27 - 28 |

| HETENURE | 2 | ARE YOUR LIVING QUARTERS... | 29 - 30 |

(READ ANSWER CATEGORIES)

EDITED UNIVERSE: HRINTSTA = 1 OR HUTYPB = 1-3

<u>VALID ENTRIES</u>

1   OWNED OR BEING BOUGHT BY A HH MEMBER
2   RENTED FOR CASH
3   OCCUPIED WITHOUT PAYMENT OF CASH RENT

NOTE: May be missing on the Basic CPS microdata files.
This will be updated on later releases of the same month's data.

| HEHOUSUT | 2 | TYPE OF HOUSING UNIT | 31 - 32 |

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

<u>VALID ENTRIES</u>

0   OTHER UNIT
1   HOUSE, APARTMENT, FLAT
2   HU IN NONTRANSIENT HOTEL, MOTEL, ETC.
3   HU PERMANENT IN TRANSIENT HOTEL, MOTEL
4   HU IN ROOMING HOUSE
5   MOBILE HOME OR TRAILER W/NO PERM. ROOM ADDED
6   MOBILE HOME OR TRAILER W/1 OR MORE PERM. ROOMS ADDED
7   HU NOT SPECIFIED ABOVE
8   QUARTERS NOT HU IN ROOMING OR BRDING HS
9   UNIT NOT PERM. IN TRANSIENT HOTL, MOTL
10 UNOCCUPIED TENT SITE OR TRLR SITE
11 STUDENT QUARTERS IN COLLEGE DORM
12 OTHER UNIT NOT SPECIFIED ABOVE

| HETELHHD | 2 | IS THERE A TELEPHONE IN THIS | 33 - 34 |

HOUSE/APARTMENT?

EDITED UNIVERSE: HRINTSTA = 1

<u>VALID ENTRIES</u>

NAME	SIZE	DESCRIPTION	LOCATION

1   YES
2   NO

HETELAVL   2   IS THERE A TELEPHONE ELSEWHERE ON   35 - 36
WHICH PEOPLE IN THIS HOUSEHOLD CAN
BE CONTACTED?

EDITED UNIVERSE: HETELHHD = 2

VALID ENTRIES

1   YES
2   NO

HEPHONEO   2   IS A TELEPHONE INTERVIEW ACCEPTABLE?   37 - 38

EDITED UNIVERSE: HETELHHD = 1 OR HETELAVL = 1

VALID ENTRIES
0   NO
1   YES

HEFAMINC   2   FAMILY INCOME   39 - 40
(COMBINED INCOME OF ALL FAMILY MEMBERS
DURING THE LAST 12 MONTHS. INCLUDES MONEY
FROM JOBS, NET INCOME FROM BUSINESS, FARM
OR RENT, PENSIONS, DIVIDENDS, INTEREST,
SOCIAL SECURITY PAYMENTS AND ANY OTHER
MONEY INCOME RECEIVED BY FAMILY MEMBERS
WHO ARE 15 YEARS OF AGE OR OLDER.)

Edited beginning January 2010

**Note: Caution should be used when using this variable since it
has an allocation rate of approximately 20 percent.**

VALID ENTRIES

1   LESS THAN $5,000
2   5,000 TO 7,499
3   7,500 TO 9,999
4   10,000 TO 12,499
5   12,500 TO 14,999
6   15,000 TO 19,999
7   20,000 TO 24,999

NAME	SIZE	DESCRIPTION	LOCATION

| | | 8   25,000 TO 29,999 | |

8   25,000 TO 29,999
9   30,000 TO 34,999
10   35,000 TO 39,999
11   40,000 TO 49,999
12   50,000 TO 59,999
13   60,000 TO 74,999
14   75,000 TO 99,999
15   100,000 TO 149,999
16   150,000 OR MORE

HUTYPEA   2   TYPE A NONINTERVIEW REASON   41 - 42

VALID ENTRIES

1   NO ONE HOME (NOH)
2   TEMPORARILY ABSENT (TA)
3   REFUSED (REF)
4   LANGUAGE BARRIER
5   UNABLE TO LOCATE
6   OTHER OCCUPIED - SPECIFY

HUTYPB   2   TYPE B NON-INTERVIEW REASON   43 - 44

VALID ENTRIES

1   VACANT REGULAR
2   TEMPORARILY OCCUPIED BY PERSONS W/ URE
3   VACANT-STORAGE OF HHLD FURNITURE
4   UNFIT OR TO BE DEMOLISHED
5   UNDER CONSTRUCTION, NOT READY
6   CONVERTED TO TEMP BUSINESS OR STORAGE
7   UNOCCUPIED TENT SITE OR TRAILER SITE
8   PERMIT GRANTED CONSTRUCTION NOT STARTED
9   OTHER TYPE B - SPECIFY

HUTYPC   2   TYPE C NON-INTERVIEW REASON   45 - 46

VALID ENTRIES

1   DEMOLISHED
2   HOUSE OR TRAILER MOVED
3   OUTSIDE SEGMENT
4   CONVERTED TO PERM. BUSINESS OR STORAGE
5   MERGED
6   CONDEMNED
7   UNUSED LINE OF LISTING SHEET
8   UNLOCATABLE SAMPLE ADDRESS

NAME	SIZE	DESCRIPTION	LOCATION

9   UNIT DOES NOT EXIST/OUT OF SCOPE
10   OTHER - SPECIFY

HWHHWGT   10   HOUSEHOLD WEIGHT   47 - 56
                (4 IMPLIED DECIMAL PLACES)
                USED FOR TALLYING HOUSEHOLD CHARACTERISTICS

                EDITED UNIVERSE: HRINTSTA = 1

HRINTSTA   2   INTERVIEW STATUS   57 - 58

                EDITED UNIVERSE: ALL HHLDs IN SAMPLE

                VALID ENTRIES

                1   INTERVIEW
                2   TYPE A NON-INTERVIEW
                3   TYPE B NON-INTERVIEW
                4   TYPE C NON-INTERVIEW

HRNUMHOU   2   TOTAL NUMBER OF PERSONS LIVING   59 - 60
                IN THE HOUSEHOLD (HOUSEHOLD MEMBERS).

                EDITED UNIVERSE: ALL HHLDs IN SAMPLE

                VALID ENTRIES

                0   MIN VALUE
                16   MAX VALUE

HRHTYPE   2   HOUSEHOLD TYPE   61 - 62

                EDITED UNIVERSE: ALL HHLDs IN SAMPLE

                VALID ENTRIES

                0   NON-INTERVIEW HOUSEHOLD
                1   HUSBAND/WIFE PRIMARY FAMILY (NEITHER AF)
                2   HUSB/WIFE PRIM. FAMILY (EITHER/BOTH AF)
                3   UNMARRIED CIVILIAN MALE-PRIM. FAM HHLDER
                4   UNMARRIED CIV. FEMALE-PRIM FAM HHLDER
                5   PRIMARY FAMILY HHLDER-RP IN AF, UNMAR.
                6   CIVILIAN MALE PRIMARY INDIVIDUAL
                7   CIVILIAN FEMALE PRIMARY INDIVIDUAL
                8   PRIMARY INDIVIDUAL HHLD-RP IN AF
                9   GROUP QUARTERS WITH FAMILY
                10   GROUP QUARTERS WITHOUT FAMILY

NAME	SIZE	DESCRIPTION	LOCATION
HRMIS	2	MONTH-IN-SAMPLE	63 - 64

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

<u>VALID ENTRIES</u>

1	MIN VALUE
8	MAX VALUE

NAME	SIZE	DESCRIPTION	LOCATION
HUINTTYP	2	TYPE OF INTERVIEW	65 - 66

<u>VALID ENTRIES</u>

0	NONINTERVIEW/INDETERMINATE
1	PERSONAL
2	TELEPHONE

NAME	SIZE	DESCRIPTION	LOCATION
HUPRSCNT	2	NUMBER OF ACTUAL AND ATTEMPTED PERSONAL CONTACTS	67 - 68

<u>VALID ENTRIES</u>

1	MIN VALUE
9	MAX VALUE

NAME	SIZE	DESCRIPTION	LOCATION
HRLONGLK	2	LONGITUDINAL LINK INDICATOR	69 - 70

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

<u>VALID ENTRIES</u>

0	MIS 1 OR REPLACEMENT HH (NO LINK)
2	MIS 2-4 OR MIS 6-8
3	MIS 5

NAME	SIZE	DESCRIPTION	LOCATION
HRHHID2	5	HOUSEHOLD IDENTIFIER (part 2)	71 - 75

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

Part 1 of this number is found in columns 1-15 of the record.
Concatenate this item with Part 1 for matching.

The component parts of this number are as follows:
71-72	Numeric component of the sample number (HRSAMPLE)
73-74	Serial suffix-converted to numerics (HRSERSUF)
75	Household Number (HUHHNUM)

NAME	SIZE	DESCRIPTION	LOCATION
HWHHWTLN	2	Line Number (PULINENO) of the person whose PWSSWGT was donated as HWHHWGT for the household	76-77

NAME	SIZE	DESCRIPTION	LOCATION

EDITED UNIVERSE: HRINTSTA = 1

<u>VALID ENTRIES</u>

0   MIN VALUE
16   MAX VALUE

| FILLER | 1 | | 78 - 78 |

| HUBUS | 2 | DOES ANYONE IN THIS HOUSEHOLD HAVE A BUSINESS OR A FARM? | 79 - 80 |

<u>VALID ENTRIES</u>

1   YES
2   NO

| HUBUSL1 | 2 | ENTER LINE NUMBER FOR HUBUS = 1 | 81 - 82 |

<u>VALID ENTRIES</u>

01   MIN VALUE
99   MAX VALUE

| HUBUSL2 | 2 | See BUSL1 | 83 - 84 |

<u>VALID ENTRIES</u>

1   MIN VALUE
99   MAX VALUE

| HUBUSL3 | 2 | See BUSL1 | 85 - 86 |

<u>VALID ENTRIES</u>

1   MIN VALUE
99   MAX VALUE

| HUBUSL4 | 2 | See BUSL1 | 87 - 88 |

<u>VALID ENTRIES</u>

1   MIN VALUE
99   MAX VALUE

NAME	SIZE	DESCRIPTION	LOCATION

A2. GEOGRAPHIC INFORMATION

| GEREG | 2 | REGION | 89 - 90 |

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

1   NORTHEAST
2   MIDWEST (FORMERLY NORTH CENTRAL)
3   SOUTH
4   WEST

| GEDIV | 1 | DIVISION | 91 - 91 |

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

1   NEW ENGLAND
2   MIDDLE ATLANTIC
3   EAST NORTH CENTRAL
4   WEST NORTH CENTRAL
5   SOUTH ATLANTIC
6   EAST SOUTH CENTRAL
7   WEST SOUTH CENTRAL
8   MOUNTAIN
9   PACIFIC

| FILLER | 1 | | 92 – 92 |

| GESTFIPS | 2 | FEDERAL INFORMATION PROCESSING STANDARDS (FIPS) STATE CODE | 93 - 94 |

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

01	AL	30	MT
02	AK	31	NE
04	AZ	32	NV
05	AR	33	NH
06	CA	34	NJ
08	CO	35	NM

NAME	SIZE	DESCRIPTION	LOCATION

```
                          09   CT      36   NY
                          10   DE      37   NC
                          11   DC      38   ND
                          12   FL      39   OH
                          13   GA      40   OK
                          15   HI      41   OR
                          16   ID      42   PA
                          17   IL      44   RI
                          18   IN      45   SC
                          19   IA      46   SD
                          20   KS      47   TN
                          21   KY      48   TX
                          22   LA      49   UT
                          23   ME      50   VT
                          24   MD      51   VA
                          25   MA      53   WA
                          26   MI      54   WV
                          27   MN      55   WI
                          28   MS      56   WY
                          29   MO
```

NAME	SIZE	DESCRIPTION	LOCATION
FILLER	1		95 - 95
GTCBSA	5	SPECIFIC METROPOLITAN CBSA CODE (SEE GEOGRAPHIC ATTACHMENT)	96 - 100

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

```
00000     NOT IDENTIFIED OR NONMETROPOLITAN
10180     MIN VALUE
49740     MAX VALUE
```

NAME	SIZE	DESCRIPTION	LOCATION
GTCO	3	FIPS COUNTY CODE	101 - 103

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

```
000       NOT IDENTIFIED
001-810   SPECIFIC COUNTY CODE
          (SEE GEOGRAPHIC ATTACHMENT)
          NOTE:  THIS CODE MUST BE USED IN COMBINATION
          WITH A STATE CODE (GESTFIPS or GESTCEN) IN
          ORDER TO UNIQUELY IDENTIFY A COUNTY.
```

NAME	SIZE	DESCRIPTION	LOCATION

ALSO, MOST COUNTIES ARE <u>NOT</u> IDENTIFIED.

GTCBSAST   1   PRINCIPAL CITY/BALANCE STATUS   104 - 104

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

<u>VALID ENTRIES</u>

1   PRINCIPAL CITY
2   BALANCE
3   NONMETROPOLITAN
4   NOT IDENTIFIED

GTMETSTA   1   METROPOLITAN STATUS   105 - 105

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

<u>VALID ENTRIES</u>

1   METROPOLITAN
2   NONMETROPOLITAN
3   NOT IDENTIFIED

GTINDVPC   1   INDIVIDUAL PRINCIPAL CITY   106 - 106

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

<u>VALID ENTRIES</u>

0   NOT IDENTIFIED, NONMETROPOLITAN,
      or NOT A CENTRAL CITY
1-7   SPECIFIC PRINCIPAL CITY CODE
      (SEE GEOGRAPHIC ATTACHMENT)
      NOTE: WHENEVER POSSIBLE THIS CODE
      IDENTIFIES SPECIFIC PRINCIPAL CITIES IN
      A METROPOLITAN AREA THAT HAS MULTIPLE
      PRINCIPAL CITIES. THIS CODE MUST BE
      USED IN COMBINATION WITH THE CBSA
      FIPS CODE (GTCBSA) IN ORDER TO
      UNIQUELY IDENTIFY A SPECIFIC CITY.

GTCBSASZ   1   Metropolitan Area (CBSA) SIZE   107 - 107

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

<u>VALID ENTRIES</u>

NAME	SIZE	DESCRIPTION	LOCATION

0   NOT IDENTIFIED OR NONMETROPOLITAN
2   100,000 - 249,999
3   250,000 - 499,999
4   500,000 - 999,999
5   1,000,000 - 2,499,999
6   2,500,000 - 4,999,999
7   5,000,000+

GTCSA	3	Consolidated Statistical Area (CSA) FIPS CODE (SEE GEOGRAPHIC ATTACHMENT)	108-110

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

000 NOT IDENTIFIED OR NONMETROPOLITAN
104 MIN VALUE
548 MAX VALUE

FILLER	3		111 - 113

A3. PERSONS INFORMATION DEMOGRAPHIC ITEMS

FILLER	2	Starting January 2014	114 - 117
PERRP	2	RELATIONSHIP TO REFERENCE PERSON	118 - 119

EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3

VALID ENTRIES

EXPANDED RELATIONSHIP CATEGORIES
01   REFERENCE PERSON W/RELS.
02   REFERENCE PERSON W/O RELS.
03   SPOUSE
04   CHILD
05   GRANDCHILD
06   PARENT
07   BROTHER/SISTER
08   OTHER REL. OR REF. PERSON
09   FOSTER CHILD

NAME	SIZE	DESCRIPTION	LOCATION

10   NONREL. OF REF. PERSON W/RELS.
11   NOT USED
12   NONREL. OF REF. PERSON W/O RELS.
13   UNMARRIED PARTNER W/RELS.
14   UNMARRIED PARTNER W/OUT RELS.
15   HOUSEMATE/ROOMMATE W/RELS.
16   HOUSEMATE/ROOMMATE W/OUT RELS.
17   ROOMER/BOARDER W/RELS.
18   ROOMER/BOARDER W/OUT RELS.

SEE LOCATION 114 - 115 FOR THE
COLLAPSED VERSION

PEPARENT   2   LINE NUMBER OF PARENT   120 - 121

EDITED UNIVERSE: EVERY PERSON

VALID ENTRIES

-1   NO PARENT
01   MIN VALUE
99   MAX VALUE

PRTAGE   2   PERSONS AGE   122 - 123

Note: This variable was labeled as PEAGE in prior versions of this documentation even though it contained the public use version of age that was topcoded and underwent further masking steps to protect the confidentiality of individuals in sample.

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

00-79   Age in Years
80   80-84 Years Old
85   85+ Years Old

PRTFAGE   1   TOP CODE FLAG FOR AGE   124 - 124

VALID ENTRIES

0   NO TOP CODE
1   TOP CODED VALUE FOR AGE

NAME	SIZE	DESCRIPTION	LOCATION

PEMARITL   2   MARITAL STATUS   125 - 126

EDITED UNIVERSE: PRTAGE >= 15

<u>VALID ENTRIES</u>

1   MARRIED - SPOUSE PRESENT
2   MARRIED - SPOUSE ABSENT
3   WIDOWED
4   DIVORCED
5   SEPARATED
6   NEVER MARRIED

PESPOUSE   2   LINE NUMBER OF SPOUSE   127 - 128

EDITED UNIVERSE: PEMARITL = 1

<u>VALID ENTRIES</u>

-1   NO SPOUSE
01   MIN VALUE
99   MAX VALUE

PESEX   2   SEX   129 - 130

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

<u>VALID ENTRIES</u>

1   MALE
2   FEMALE

PEAFEVER   2   DID YOU EVER SERVE ON ACTIVE   131 - 132
DUTY IN THE U.S. ARMED FORCES?

<u>EDITED UNIVERSE:</u>   PRTAGE >=17

<u>VALID ENTRIES</u>

1   YES
2   NO

FILLER   2   Starting August 2005   133 - 134

NAME	SIZE	DESCRIPTION	LOCATION
PEAFNOW	2	ARE YOU NOW IN THE ARMED FORCES	135 - 136

EDITED UNIVERSE: PRPERTYP = 2 or 3

VALID ENTRIES

1   YES
2   NO

| PEEDUCA | 2 | HIGHEST LEVEL OF SCHOOL COMPLETED OR DEGREE RECEIVED | 137 - 138 |

EDITED UNIVERSE: PRPERTYP = 2 0R 3

VALID ENTRIES

31   LESS THAN 1ST GRADE
32   1ST, 2ND, 3RD OR 4TH GRADE
33   5TH OR 6TH GRADE
34   7TH OR 8TH GRADE
35   9TH GRADE
36   10TH GRADE
37   11TH GRADE
38   12TH GRADE NO DIPLOMA
39   HIGH SCHOOL GRAD-DIPLOMA OR EQUIV (GED)
40   SOME COLLEGE BUT NO DEGREE
41   ASSOCIATE DEGREE-OCCUPATIONAL/VOCATIONAL
42   ASSOCIATE DEGREE-ACADEMIC PROGRAM
43   BACHELOR'S DEGREE (EX: BA, AB, BS)
44   MASTER'S DEGREE (EX: MA, MS, MEng, MEd, MSW)
45   PROFESSIONAL SCHOOL DEG (EX: MD, DDS, DVM)
46   DOCTORATE DEGREE (EX: PhD, EdD)

| PTDTRACE | 2 | RACE | 139 – 140 |

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

01   White Only
02   Black Only
03   American Indian, Alaskan Native Only
04   Asian Only
05   Hawaiian/Pacific Islander Only

NAME	SIZE	DESCRIPTION	LOCATION

06 White-Black
07 White-AI
08 White-Asian
09 White-HP
10 Black-AI
11 Black-Asian
12 Black-HP
13 AI-Asian
14 AI-HP
15 Asian-HP
16 W-B-AI
17 W-B-A
18 W-B-HP
19 W-AI-A
20 W-AI-HP
21 W-A-HP
22 B-AI-A
23 W-B-AI-A
24 W-AI-A-HP
25 Other 3 Race Combinations
26 Other 4 and 5 Race Combinations

PRDTHSP	2	DETAILED HISPANIC ORIGIN GROUP	141 - 142

Revised January 2014

EDITED UNIVERSE: PEHSPNON = 1

<u>VALID ENTRIES</u>

1. Mexican
2. Puerto Rican
3. Cuban
4. Dominican
5. Salvadoran
6. Central American, excluding Salvadoran
7. South American
8. Other Spanish

NAME	SIZE	DESCRIPTION	LOCATION
PUCHINHH	2	CHANGE IN HOUSEHOLD COMPOSITION	143 – 144

VALID ENTRIES

1 PERSON ADDED
2 PERSON ADDED - URE
3 PERSON UNDELETED
4 PERSON DIED
5 DELETED FOR REASON OTHER THAN DEATH
6 PERSON JOINED ARMED FORCES
7 PERSON NO LONGER IN AF
9 CHANGE IN DEMOGRAPHIC INFORMATION

| FILLER | 2 | | 145 - 146 |
| PULINENO | 2 | PERSON'S LINE NUMBER | 147 – 148 |

VALID ENTRIES

01 MIN VALUE
99 MAX VALUE

| FILLER | 2 | | 149 - 150 |
| PRFAMNUM | 2 | FAMILY NUMBER RECODE | 151 - 152 |

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

00 NOT A FAMILY MEMBER
01 PRIMARY FAMILY MEMBER ONLY
02 SUBFAMILY NO. 2 MEMBER
03 SUBFAMILY NO. 3 MEMBER
04 SUBFAMILY NO. 4 MEMBER
05 SUBFAMILY NO. 5 MEMBER
06 SUBFAMILY NO. 6 MEMBER
07 SUBFAMILY NO. 7 MEMBER
08 SUBFAMILY NO. 8 MEMBER
09 SUBFAMILY NO. 9 MEMBER
10 SUBFAMILY NO. 10 MEMBER
11 SUBFAMILY NO. 11 MEMBER
12 SUBFAMILY NO. 12 MEMBER
13 SUBFAMILY NO. 13 MEMBER
14 SUBFAMILY NO. 14 MEMBER
15 SUBFAMILY NO. 15 MEMBER

NAME	SIZE	DESCRIPTION	LOCATION

16   SUBFAMILY NO. 16 MEMBER
17   SUBFAMILY NO. 17 MEMBER
18   SUBFAMILY NO. 18 MEMBER
19   SUBFAMILY NO. 19 MEMBER

PRFAMREL   2   FAMILY RELATIONSHIP RECODE   153 - 154

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

<u>VALID ENTRIES</u>

0   NOT A FAMILY MEMBER
1   REFERENCE PERSON
2   SPOUSE
3   CHILD
4   OTHER RELATIVE (PRIMARY FAMILY & UNREL)

PRFAMTYP   2   FAMILY TYPE RECODE   155 - 156

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

<u>VALID ENTRIES</u>

1   PRIMARY FAMILY
2   PRIMARY INDIVIDUAL
3   RELATED SUBFAMILY
4   UNRELATED SUBFAMILY
5   SECONDARY INDIVIDUAL

PEHSPNON   2   HISPANIC OR NON-HISPANIC   157 - 158

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

<u>VALID ENTRIES</u>

1   HISPANIC
2   NON-HISPANIC

PRMARSTA   2   MARITAL STATUS BASED ON   159 - 160
ARMED FORCES PARTICIPATION

EDITED UNIVERSE: PRPERTYP = 2 0R 3

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1   MARRIED, CIVILIAN SPOUSE PRESENT
2   MARRIED, ARMED FORCES SPOUSE PRESENT
3   MARRIED, SPOUSE ABSENT (EXC. SEPARATED)
4   WIDOWED
5   DIVORCED
6   SEPARATED
7   NEVER MARRIED

| PRPERTYP | 2 | TYPE OF PERSON RECORD RECODE | 161 - 162 |

EDITED UNIVERSE: ALL HOUSEHOLD MEMBERS

VALID ENTRIES

1   CHILD HOUSEHOLD MEMBER
2   ADULT CIVILIAN HOUSEHOLD MEMBER
3   ADULT ARMED FORCES HOUSEHOLD MEMBER

| PENATVTY | 3 | COUNTRY OF BIRTH | 163 - 165 |

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

057 UNITED STATES
060 AM SAMOA
066 GUAM
073 PUERTO RICO
078 U. S. VIRGIN ISLANDS
096 OTHER U. S. ISLAND AREA
100-554   FOREIGN COUNTRY (SEE APPENDIX)
555 ELSEWHERE

| PEMNTVTY | 3 | MOTHER'S COUNTRY OF BIRTH | 166 - 168 |

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

057 UNITED STATES
060 AM SAMOA
066 GUAM
073 PUERTO RICO

NAME	SIZE	DESCRIPTION	LOCATION

078 U. S. VIRGIN ISLANDS
096 OTHER U. S. ISLAND AREA
100-554   FOREIGN COUNTRY (SEE APPENDIX)
555 ELSEWHERE

PEFNTVTY   3   FATHER'S COUNTRY OF BIRTH   169 - 171

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

<u>VALID ENTRIES</u>

057 UNITED STATES
060 AM SAMOA
066 GUAM
073 PUERTO RICO
078 U. S. VIRGIN ISLANDS
096 OTHER U. S. ISLAND AREA
100-554   FOREIGN COUNTRY (SEE APPENDIX)
555 ELSEWHERE

PRCITSHP   2   CITIZENSHIP STATUS   172 - 173

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

<u>VALID ENTRIES</u>

1   NATIVE, BORN IN THE UNITED STATES
2   NATIVE, BORN IN PUERTO RICO OR OTHER U.S. ISLAND AREAS
3   NATIVE, BORN ABROAD OF AMERICAN PARENT OR PARENTS
4   FOREIGN BORN, U.S. CITIZEN BY NATURALIZATION
5   FOREIGN BORN, NOT A CITIZEN OF THE UNITED STATES

PRCITFLG   2   CITIZENSHIP ALLOCATION FLAG   174 - 175

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

Placed in this position because naming convention is
different from all other allocation flags.

PRINUSYR   2   IMMIGRANT'S YEAR OF ENTRY   176 - 177

EDITED UNIVERSE: PRCITSHP = 2, 3, 4, OR 5

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

-1	NOT IN UNIVERSE (BORN IN U.S.)
00	NOT FOREIGN BORN
01	BEFORE 1950
02	1950-1959
03	1960-1964
04	1965-1969
05	1970-1974
06	1975-1979
07	1980-1981
08	1982-1983
09	1984-1985
10	1986-1987
11	1988-1989
12	1990-1991
13	1992-1993
14	1994-1995
15	1996-1997
16	1998-1999
17	2000-2001
18	2002-2003
19	2004-2005
20	2006-2007
21	2008-2009
22	2010-2011
23	2012-2013
24	2014-2017

Starting January 2018

24	2014-2015
25	2016-2018

Starting January 2019

25	2016-2019

A4. PERSONS INFORMATION LABOR FORCE ITEMS

NAME	SIZE	DESCRIPTION	LOCATION
PUSLFPRX	2	LABOR FORCE INFORMATION COLLECTED BY SELF OR PROXY RESPONSE	178 - 179

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1   SELF
2   PROXY
3   BOTH SELF AND PROXY

PEMLR	2	MONTHLY LABOR FORCE RECODE	180 - 181

EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1   EMPLOYED-AT WORK
2   EMPLOYED-ABSENT
3   UNEMPLOYED-ON LAYOFF
4   UNEMPLOYED-LOOKING
5   NOT IN LABOR FORCE-RETIRED
6   NOT IN LABOR FORCE-DISABLED
7   NOT IN LABOR FORCE-OTHER

PUWK	2	LAST WEEK, DID YOU DO ANY WORK FOR (EITHER) PAY (OR PROFIT)?	182 - 183

VALID ENTRIES

1   YES
2   NO
3   RETIRED
4   DISABLED
5   UNABLE TO WORK

PUBUS1	2	LAST WEEK, DID YOU DO ANY UNPAID WORK IN THE FAMILY BUSINESS OR FARM?	184 - 185

VALID ENTRIES

1   YES
2   NO

PUBUS2OT	2	DO YOU RECEIVE ANY PAYMENTS OR PROFITS FROM THE BUSINESS?	186 - 187

NAME	SIZE	DESCRIPTION	LOCATION

<u>VALID ENTRIES</u>

1   YES
2   NO

PUBUSCK1   2   CHECK ITEM 1   188 - 189
FILTER FOR QUESTIONS ON UNPAID WORK

<u>VALID ENTRIES</u>

1   GOTO PUBUS1
2   GOTO PURETCK1

PUBUSCK2   2   CHECK ITEM 2   190 - 191
SKIPS OWNERS OF FAMILY BUSINES WHO DID
 NOT WORK LAST WEEK

<u>VALID ENTRIES</u>

1   GOTO PUHRUSL1
2   GOTO PUBUS2

PUBUSCK3   2   CHECK ITEM 3   192 - 193

<u>VALID ENTRIES</u>

1   GOTO PUABSRSN
2   GOTO PULAY

PUBUSCK4   2   CHECK ITEM 4   194 - 195

<u>VALID ENTRIES</u>

1   GOTO PUHRUSL1
2   GOTO PUABSPD

PURETOT   2   RETIREMENT STATUS   196 - 197
(LAST MONTH YOU WERE REPORTED TO BE
RETIRED, ARE YOU STILL RETIRED THIS MONTH?)
<u>VALID ENTRIES</u>

1   YES
2   NO
3   WAS NOT RETIRED LAST MONTH

PUDIS   2   DISABILITY STATUS   198 - 199
(LAST MONTH YOU WERE REPORTED TO

NAME	SIZE	DESCRIPTION	LOCATION

HAVE A DISABILITY.) DOES YOUR DISABILITY
CONTINUE TO PREVENT YOU FROM DOING ANY KIND
OF WORK FOR THE NEXT 6 MONTHS?

VALID ENTRIES

1   YES
2   NO
3   DID NOT HAVE DISABILITY LAST MONTH

PERET1   2   DO YOU CURRENTLY WANT A JOB, EITHER   200 - 201
                           FULL OR PART-TIME?

                           EDITED UNIVERSE: PEMLR = 5 AND (PURETOT = 1 OR
                                                (PUWK = 3 AND PRTAGE >= 50) OR
                                                (PUABS = 3 AND PRTAGE >= 50) OR
                                                (PULAY = 3 AND PRTAGE >= 50))

                           VALID ENTRIES

                           1   YES
                           2   NO
                           3   HAS A JOB

PUDIS1   2   DOES YOUR DISABILITY PREVENT YOU FROM   202 - 203
                           ACCEPTING ANY KIND OF WORK DURING
                           THE NEXT SIX MONTHS?

                           VALID ENTRIES

                           1   YES
                           2   NO

PUDIS2   2   DO YOU HAVE A DISABILITY THAT PREVENTS   204 - 205
                           YOU FROM ACCEPTING ANY KIND OF WORK
                           DURING THE NEXT SIX MONTHS?

                           VALID ENTRIES

                           1   YES
                           2   NO

PUABSOT   2   LAST WEEK DID YOU HAVE A JOB   206 - 207
                           EITHER FULL OR PART-TIME?

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1	YES
2	NO
3	RETIRED
4	DISABLED
5	UNABLE TO WORK

PULAY   2   LAST WEEK, WERE YOU ON LAYOFF   208 - 209
FROM A JOB?

VALID ENTRIES

1	YES
2	NO
3	RETIRED
4	DISABLED
5	UNABLE TO WORK

PEABSRSN   2   WHAT IS THE MAIN REASON YOU   210 - 211
WERE ABSENT FROM WORK LAST WEEK?

EDITED UNIVERSE: PEMLR = 2

VALID ENTRIES

1	ON LAYOFF
2	SLACK WORK/BUSINESS CONDITIONS
3	WAITING FOR A NEW JOB TO BEGIN
4	VACATION/PERSONAL DAYS
5	OWN ILLNESS/INJURY/MEDICAL PROBLEMS
6	CHILD CARE PROBLEMS
7	OTHER FAMILY/PERSONAL OBLIGATION
8	MATERNITY/PATERNITY LEAVE
9	LABOR DISPUTE
10	WEATHER AFFECTED JOB
11	SCHOOL/TRAINING
12	CIVIC/MILITARY DUTY
13	DOES NOT WORK IN THE BUSINESS
14	OTHER (SPECIFY)

PEABSPDO   2   ARE YOU BEING PAID BY YOUR   212 - 213
EMPLOYER FOR ANY OF THE
TIME OFF LAST WEEK?

EDITED UNIVERSE: PEABSRSN = 4-12, 14

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1   YES
2   NO

PEMJOT   2   DO YOU HAVE MORE THAN ONE JOB?   214 - 215

EDITED UNIVERSE: PEMLR = 1, 2

VALID ENTRIES

1   YES
2   NO

PEMJNUM   2   ALTOGETHER, HOW MANY JOBS   216 - 217
DID YOU HAVE?

EDITED UNIVERSE: PEMJOT = 1

VALID ENTRIES

2   2 JOBS
3   3 JOBS
4   4 OR MORE JOBS

PEHRUSL1   2   HOW MANY HOURS PER WEEK DO YOU   218 - 219
USUALLY WORK AT YOUR MAIN JOB?

EDITED UNIVERSE: PEMJOT = 1 OR 2 AND PEMLR = 1 OR 2

VALID ENTRIES

-4   HOURS VARY
0   MIN VALUE
99   MAX VALUE

PEHRUSL2   2   HOW MANY HOURS PER WEEK DO YOU   220 - 221
USUALLY WORK AT YOUR OTHER (JOB/JOBS)?

EDITED UNIVERSE: PEMJOT = 1 AND PEMLR = 1 OR 2

VALID ENTRIES

-4   HOURS VARY
0   MIN VALUE
99   MAX VALUE

NAME	SIZE	DESCRIPTION	LOCATION

PEHRFTPT   2   DO YOU USUALLY WORK 35 HOURS OR   222 - 223
MORE PER WEEK?

EDITED UNIVERSE: PEHRUSL1 = -4 OR PEHRUSL2 = -4

<u>VALID ENTRIES</u>

1   YES
2   NO
3   HOURS VARY

PEHRUSLT   3   SUM OF HRUSL1 AND HRUSL2.   224 - 226

EDITED UNIVERSE: PEMLR = 1 OR 2

<u>VALID ENTRIES</u>

-4   VARIES
0   MIN VALUE
198   MAX VALUE

PEHRWANT   2   DO YOU WANT TO WORK A FULL-TIME   227 - 228
WORK WEEK OF 35 HOURS OR MORE PER WEEK?

EDITED UNIVERSE: PEMLR = 1 AND (PEHRUSLT = 0-34
PEHRFTPT = 2)

<u>VALID ENTRIES</u>

1   YES
2   NO
3   REGULAR HOURS ARE FULL-TIME

PEHRRSN1   2   WHAT IS YOUR MAIN REASON FOR   229 - 230
WORKING PART-TIME?

EDITED UNIVERSE: PEHRWANT = 1 (PEMLR = 1 AND PEHRUSLT < 35)

<u>VALID ENTRIES</u>

1   SLACK WORK/BUSINESS CONDITIONS
2   COULD ONLY FIND PART-TIME WORK
3   SEASONAL WORK
4   CHILD CARE PROBLEMS

     5   OTHER FAMILY/PERSONAL OBLIGATIONS
     6   HEALTH/MEDICAL LIMITATIONS
     7   SCHOOL/TRAINING
     8   RETIRED/SOCIAL SECURITY LIMIT ON EARNINGS
     9   FULL-TIME WORKWEEK IS LESS THAN 35 HRS
    10   OTHER - SPECIFY

PEHRRSN2   2   WHAT IS THE MAIN REASON YOU DO NOT   231 - 232
WANT TO WORK FULL-TIME?

EDITED UNIVERSE: PEHRWANT = 2 (PEMLR = 1 AND PEHRUSLT < 35)

VALID ENTRIES

     1   CHILD CARE PROBLEMS
     2   OTHER FAMILY/PERSONAL OBLIGATIONS
     3   HEALTH/MEDICAL LIMITATIONS
     4   SCHOOL/TRAINING
     5   RETIRED/SOCIAL SECURITY LIMIT ON EARNINGS
     6   FULL-TIME WORKWEEK LESS THAN 35 HOURS
     7   OTHER - SPECIFY

PEHRRSN3   2   WHAT IS THE MAIN REASON YOU WORKED   233 - 234
LESS THAN 35 HOURS LAST WEEK?

EDITED UNIVERSE: PEHRACTT = 1-34 AND PUHRCK7 NE 1, 2
                                (PEMLR = 1 AND PEHRUSLT = 35+)

VALID ENTRIES

     1   SLACK WORK/BUSINESS CONDITIONS
     2   SEASONAL WORK
     3   JOB STARTED OR ENDED DURING WEEK
     4   VACATION/PERSONAL DAY
     5   OWN ILLNESS/INJURY/MEDICAL APPOINTMENT
     6   HOLIDAY (LEGAL OR RELIGIOUS)
     7   CHILD CARE PROBLEMS
     8   OTHER FAMILY/PERSONAL OBLIGATIONS
     9   LABOR DISPUTE
    10   WEATHER AFFECTED JOB
    11   SCHOOL/TRAINING
    12   CIVIC/MILITARY DUTY
    13   OTHER REASON

NAME	SIZE	DESCRIPTION	LOCATION

PUHROFF1   2   LAST WEEK, DID YOU LOSE OR TAKE   235 - 236
OFF ANY HOURS FROM YOUR JOB, FOR
ANY REASON SUCH AS ILLNESS, SLACK WORK,
VACATION, OR HOLIDAY?

VALID ENTRIES

1   YES
2   NO

PUHROFF2   2   HOW MANY HOURS DID YOU TAKE OFF?   237 - 238

VALID ENTRIES

0   MIN VALUE
99   MAX VALUE

PUHROT1   2   LAST WEEK, DID YOU WORK ANY   239 - 240
OVERTIME OR EXTRA HOURS (AT YOUR MAIN JOB)
THAT YOU DO NOT USUALLY WORK?

VALID ENTRIES

1   YES
2   NO

PUHROT2   2   HOW MANY ADDITIONAL HOURS   241 - 242
DID YOU WORK?

VALID ENTRIES

0   MIN VALUE
99   MAX VALUE

PEHRACT1   2   LAST WEEK, HOW MANY HOURS DID YOU   243 - 244
ACTUALLY WORK AT YOUR JOB?

EDITED UNIVERSE: PEMLR = 1

VALID ENTRIES

0   MIN VALUE
99   MAX VALUE

NAME	SIZE	DESCRIPTION	LOCATION

PEHRACT2   2   LAST WEEK, HOW MANY HOURS DID   245 - 246
                         YOU ACTUALLY WORK AT YOUR OTHER (JOB/JOBS)

                         EDITED UNIVERSE: PEMLR = 1 AND PEMJOT = 1

                         <u>VALID ENTRIES</u>

                         0   MIN VALUE
                         99   MAX VALUE

PEHRACTT   3   SUM OF PEHRACT1 AND PEHRACT2.   247 - 249

                         EDITED UNIVERSE: PEMLR = 1

                         <u>VALID ENTRIES</u>

                         0   MIN VALUE
                         198 MAX VALUE

PEHRAVL   2   LAST WEEK, COULD YOU HAVE WORKED   250 - 251
                         FULL-TIME IF THE HOURS HAD BEEN AVAILABLE?

                         EDITED UNIVERSE: PEHRACTT = 1-34 (PEMLR = 1 AND
                                                 PEHRUSLT < 35 AND PEHRRSN1 = 1, 2, 3)

                         <u>VALID ENTRIES</u>

                         1   YES
                         2   NO

FILLER   5   252 - 256

PUHRCK1   2   CHECK ITEM 1   257 - 258

                         <u>VALID ENTRIES</u>

                         1   GOTO PUHRUSL2
                         2   GOTO PUHRUSLT

PUHRCK2   2   CHECK ITEM 2   259 - 260
                         SKIPS PERSONS RESPONDING YES TO
                         HRFTPT OUT OF PT SERIES

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1   IF ENTRY OF 1 IN MJ AND
ENTRY OF D, R OR V IN HRUSL1
AND ENTRY OF D, R, V OR 0-34
IN HRUSL2 GOTO HRFTPT

2   IF ENTRY OF 1 IN MJ AND ENTRY
OF D, R OR V IN HRUSL2 AND
ENTRY OF D, R V OR 0-34 IN
HRUSL1 GOTO HRFTPT

3   IF ENTRY OF 2, D OR R IN MJ
AND ENTRY OF D, R OR V IN HRUSL1
GOTO HRFTPT

4   IF ENTRY OF 1 IN BUS1 AND ENTRY
OF D, R OR V IN HRUSL1 THEN
GOTO HRFTPT

5   ALL OTHERS GOTO HRCK3-C

PUHRCK3   2   CHECK ITEM 3   261 - 262

VALID ENTRIES

1   IF ENTRY OF 1 IN ABSOT OR
(ENTRY OR 2 IN ABSOT AND
ENTRY OF 1 IN BUS AND CURRENT
R_P EQUALS BUSLST) THEN GOTO HRCK8

2   IF ENTRY OF 3 IN RET1 GOTO HRCK8

3   IF ENTRY IN HRUSLT IS 0-34 HOURS GOTO HRCK4-C

4   IF ENTRY IN HRUSLT IS 35+ GOTO HROFF1

5   ALL OTHERS GOTO HRCK4-C

6   GOTO PUHRCK4

PUHRCK4   2   CHECK ITEM 4   263 - 264

VALID ENTRIES

1   IF ENTRY OF 1, D, R OR V
IN HRFTPT THEN GOTO HRACT1

2   IF ENTRY OF 2, D OR R IN BUS2 THEN GOTO HROFF1

3   IF HRUSLT IS 0-34 THEN GOTO HRWANT

4   IF ENTRY OF 2 IN HRFTPT THEN GOTO HRWANT

5   ALL OTHERS GOTO HRACT1

PUHRCK5   2   CHECK ITEM 5   265 – 266

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1   IF ENTRY OF 1 IN MJOT GOTO HRACT2
2   ALL OTHERS GOTO HRCK6-C

PUHRCK6   2   CHECK ITEM 6   267 - 268

VALID ENTRIES

1   IF HRACT1 AND HRACT2 EQ 0 AND
    ENTRY OF 2, D, R IN BUS2 THEN GOTO LK
2   IF HRACT1 AND HRACT2 EQ 0 THEN
    STORE 1 IN ABSOT AND GOTO ABSRSN
3   ALL OTHERS GOTO HRACTT-C

PUHRCK7   2   CHECK ITEM 7   269 - 270

VALID ENTRIES

1   (IF ENTRY OF 2, D OR R IN BUS2) AND
    (HRACT1 LESS THAN 15 OR D) GOTO HRCK8
2   (IF ENTRY OF 2, D OR R IN BUS2) AND
    (HRACT1 IS 15+) GOTO HRCK8
3   (IF HRUSLT IS 35+ OR IF ENTRY OF 1 IN HRFTPT)
    AND (HRACTT < 35) AND ENTRY IN HRACT1 OR HRACT2
    ISN'T D OR R THEN GOTO HRRSN3
4   IF ENTRY OF 1 IN HRWANT AND HRACTT < 35
    AND (ENTRY OF 1, 2, 3 IN HRRSN1) GOTO HRAVL
5   ALL OTHERS GOTO HRCK8

PUHRCK12   2   CHECK ITEM 12   271 – 272

VALID ENTRIES

1   IF ENTRY OF 2, D OR R IN BUS2
    AND HRACTT IS LESS THAN 15
    OR D GOTO LK
2   ALL OTHERS GOTO IOCK1

PULAYDT   2   HAS YOUR EMPLOYER GIVEN YOU A DATE   273 - 274
    TO RETURN TO WORK?

VALID ENTRIES

1   YES
2   NO

NAME	SIZE	DESCRIPTION	LOCATION
PULAY6M	2	HAVE YOU BEEN GIVEN ANY INDICATION THAT YOU WILL BE RECALLED TO WORK WITHIN THE NEXT 6 MONTHS?	275 - 276

VALID ENTRIES

1   YES
2   NO

| PELAYAVL | 2 | COULD YOU HAVE RETURNED TO WORK LAST WEEK IF YOU HAD BEEN RECALLED? | 277 - 278 |

EDITED UNIVERSE: PEMLR = 3

VALID ENTRIES

1   YES
2   NO

| PULAYAVR | 2 | WHY IS THAT? | 279 - 280 |

VALID ENTRIES

1   OWN TEMPORARY ILLNESS
2   GOING TO SCHOOL
3   OTHER

| PELAYLK | 2 | EVEN THOUGH YOU ARE TO BE CALLED BACK TO WORK, HAVE YOU BEEN LOOKING FOR WORK DURING THE LAST 4 WEEKS. | 281 - 282 |

EDITED UNIVERSE: PELAYAVL= 1, 2

VALID ENTRIES

1   YES
2   NO

| PELAYDUR | 3 | DURATION OF LAYOFF | 283 - 285 |

EDITED UNIVERSE: PELAYLK = 1, 2

VALID ENTRIES

01-51   Weeks on layoff
52   52 weeks or more
Topcoded at 52 weeks starting April 2011

NAME	SIZE	DESCRIPTION	LOCATION

PELAYFTO   2   FT/PT STATUS OF JOB FROM WHICH   286 - 287
SAMPLE PERSON WAS ON LAYOFF FROM

EDITED UNIVERSE: PELAYDUR = 0-120

VALID ENTRIES

1   YES
2   NO

PULAYCK1   2   CHECK ITEM 1   288 - 289

VALID ENTRIES

1   GOTO PULAYCK3
2   GOTO PULAYFT
3   GOTO PULAYDR

PULAYCK2   2   CHECK ITEM 2   290 - 291
SCREEN FOR DEPENDENT LAYOFF

VALID ENTRIES

1   GOTO PULAYDR3
2   GOTO PULAYFT

PULAYCK3   2   CHECK ITEM 3   292 - 293
FILTER FOR DEPENDENT I & O

VALID ENTRIES

1   MISCK = 5 GOTO IO1INT
2   I-ICR = 1 OR I-OCR = 1, GOTO IO1INT
3   ALL OTHERS GOTO SCHCK

PULK   2   HAVE YOU BEEN DOING ANYTHING TO FIND   294 - 295
WORK DURING THE LAST 4 WEEKS?

VALID ENTRIES

1   YES
2   NO
3   RETIRED
4   DISABLED
5   UNABLE TO WORK

NAME	SIZE	DESCRIPTION	LOCATION

PELKM1   2   WHAT ARE ALL OF THE THINGS YOU HAVE   296 - 297
DONE TO FIND WORK DURING THE LAST
4 WEEKS? (FIRST METHOD)

EDITED UNIVERSE: PEMLR = 4

<u>VALID ENTRIES</u>

1   CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2   CONTACTED PUBLIC EMPLOYMENT AGENCY
3   CONTACTED PRIVATE EMPLOYMENT AGENCY
4   CONTACTED FRIENDS OR RELATIVES
5   CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6   SENT OUT RESUMES/FILLED OUT APPLICATION
7   CHECKED UNION/PROFESSIONAL REGISTERS
8   PLACED OR ANSWERED ADS
9   OTHER ACTIVE
10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
12   NOTHING
13   OTHER PASSIVE

PULKM2   2   ANYTHING ELSE? (SECOND METHOD)   298 - 299

<u>VALID ENTRIES</u>

1   CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2   CONTACTED PUBLIC EMPLOYMENT AGENCY
3   CONTACTED PRIVATE EMPLOYMENT AGENCY
4   CONTACTED FRIENDS OR RELATIVES
5   CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6   SENT OUT RESUMES/FILLED OUT APPLICATION
7   CHECKED UNION/PROFESSIONAL REGISTERS
8   PLACED OR ANSWERED ADS
9   OTHER ACTIVE
10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
13   OTHER PASSIVE

PULKM3   2   SAME AS PULKM2 (THIRD METHOD)   300 - 301

<u>VALID ENTRIES</u>

1   CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2   CONTACTED PUBLIC EMPLOYMENT AGENCY

NAME	SIZE	DESCRIPTION	LOCATION

3   CONTACTED PRIVATE EMPLOYMENT AGENCY
4   CONTACTED FRIENDS OR RELATIVES
5   CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6   SENT OUT RESUMES/FILLED OUT APPLICATION
7   CHECKED UNION/PROFESSIONAL REGISTERS
8   PLACED OR ANSWERED ADS
9   OTHER ACTIVE
10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
13   OTHER PASSIVE

PULKM4   2   SAME AS PULKM2 (FOURTH METHOD)   302 - 303

VALID ENTRIES

1   CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2   CONTACTED PUBLIC EMPLOYMENT AGENCY
3   CONTACTED PRIVATE EMPLOYMENT AGENCY
4   CONTACTED FRIENDS OR RELATIVES
5   CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6   SENT OUT RESUMES/FILLED OUT APPLICATION
7   CHECKED UNION/PROFESSIONAL REGISTERS
8   PLACED OR ANSWERED ADS
9   OTHER ACTIVE
10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
13   OTHER PASSIVE

PULKM5   2   SAME AS PULKM2 (FIFTH METHOD)   304 - 305

VALID ENTRIES

1   CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2   CONTACTED PUBLIC EMPLOYMENT AGENCY
3   CONTACTED PRIVATE EMPLOYMENT AGENCY
4   CONTACTED FRIENDS OR RELATIVES
5   CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6   SENT OUT RESUMES/FILLED OUT APPLICATION
7   CHECKED UNION/PROFESSIONAL REGISTERS
8   PLACED OR ANSWERED ADS
9   OTHER ACTIVE
10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
13   OTHER PASSIVE

NAME	SIZE	DESCRIPTION	LOCATION

PULKM6   2   SAME AS PULKM2 (SIXTH METHOD)   306 - 307

VALID ENTRIES

1   CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2   CONTACTED PUBLIC EMPLOYMENT AGENCY
3   CONTACTED PRIVATE EMPLOYMENT AGENCY
4   CONTACTED FRIENDS OR RELATIVES
5   CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6   SENT OUT RESUMES/FILLED OUT APPLICATION
7   CHECKED UNION/PROFESSIONAL REGISTERS
8   PLACED OR ANSWERED ADS
9   OTHER ACTIVE
10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
13   OTHER PASSIVE

PULKDK1   2   YOU SAID YOU HAVE BEEN TRYING TO   308 - 309
FIND WORK. HOW DID YOU GO ABOUT LOOKING?
(FIRST METHOD)

VALID ENTRIES

1   CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2   CONTACTED PUBLIC EMPLOYMENT AGENCY
3   CONTACTED PRIVATE EMPLOYMENT AGENCY
4   CONTACTED FRIENDS OR RELATIVES
5   CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6   SENT OUT RESUMES/FILLED OUT APPLICATION
7   CHECKED UNION/PROFESSIONAL REGISTERS
8   PLACED OR ANSWERED ADS
9   OTHER ACTIVE
10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
12   NOTHING
13   OTHER PASSIVE

PULKDK2   2   ANYTHING ELSE? (SECOND METHOD)   310 - 311

VALID ENTRIES

1   CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2   CONTACTED PUBLIC EMPLOYMENT AGENCY
3   CONTACTED PRIVATE EMPLOYMENT AGENCY
4   CONTACTED FRIENDS OR RELATIVES

NAME	SIZE	DESCRIPTION	LOCATION

5   CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6   SENT OUT RESUMES/FILLED OUT APPLICATION
7   CHECKED UNION/PROFESSIONAL REGISTERS
8   PLACED OR ANSWERED ADS
9   OTHER ACTIVE
10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
13   OTHER PASSIVE

PULKDK3   2   SAME AS PULKDK2 (THIRD METHOD)   312 - 313

VALID ENTRIES

1   CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2   CONTACTED PUBLIC EMPLOYMENT AGENCY
3   CONTACTED PRIVATE EMPLOYMENT AGENCY
4   CONTACTED FRIENDS OR RELATIVES
5   CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6   SENT OUT RESUMES/FILLED OUT APPLICATION
7   CHECKED UNION/PROFESSIONAL REGISTERS
8   PLACED OR ANSWERED ADS
9   OTHER ACTIVE
10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
13   OTHER PASSIVE

PULKDK4   2   SAME AS PULKDK2 (FOURTH METHOD)   314 - 315

VALID ENTRIES

1   CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2   CONTACTED PUBLIC EMPLOYMENT AGENCY
3   CONTACTED PRIVATE EMPLOYMENT AGENCY
4   CONTACTED FRIENDS OR RELATIVES
5   CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6   SENT OUT RESUMES/FILLED OUT APPLICATION
7   CHECKED UNION/PROFESSIONAL REGISTERS
8   PLACED OR ANSWERED ADS
9   OTHER ACTIVE
10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
13   OTHER PASSIVE

PULKDK5   2   SAME AS PULKDK2 (FIFTH METHOD)   316 – 317

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1	CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2	CONTACTED PUBLIC EMPLOYMENT AGENCY
3	CONTACTED PRIVATE EMPLOYMENT AGENCY
4	CONTACTED FRIENDS OR RELATIVES
5	CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6	SENT OUT RESUMES/FILLED OUT APPLICATION
7	CHECKED UNION/PROFESSIONAL REGISTERS
8	PLACED OR ANSWERED ADS
9	OTHER ACTIVE
10	LOOKED AT ADS
11	ATTENDED JOB TRAINING PROGRAMS/COURSES
13	OTHER PASSIVE

PULKDK6   2   SAME AS PULKDK2 (SIXTH METHOD)   318 – 319

VALID ENTRIES

1	CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2	CONTACTED PUBLIC EMPLOYMENT AGENCY
3	CONTACTED PRIVATE EMPLOYMENT AGENCY
4	CONTACTED FRIENDS OR RELATIVES
5	CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6	SENT OUT RESUMES/FILLED OUT APPLICATION
7	CHECKED UNION/PROFESSIONAL REGISTERS
8	PLACED OR ANSWERED ADS
9	OTHER ACTIVE
10	LOOKED AT ADS
11	ATTENDED JOB TRAINING PROGRAMS/COURSES
13	OTHER PASSIVE

PULKPS1   2   CAN YOU TELL ME MORE ABOUT WHAT YOU   320 - 321
DID TO SEARCH FOR WORK?
(FIRST METHOD)

VALID ENTRIES

1	CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2	CONTACTED PUBLIC EMPLOYMENT AGENCY
3	CONTACTED PRIVATE EMPLOYMENT AGENCY
4	CONTACTED FRIENDS OR RELATIVES
5	CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6	SENT OUT RESUMES/FILLED OUT APPLICATION
7	CHECKED UNION/PROFESSIONAL REGISTERS

NAME	SIZE	DESCRIPTION	LOCATION

8 PLACED OR ANSWERED ADS
9 OTHER ACTIVE
10 LOOKED AT ADS
11 ATTENDED JOB TRAINING PROGRAMS/COURSES
12 NOTHING
13 OTHER PASSIVE

PULKPS2 2 ANYTHING ELSE? (SECOND METHOD) 322 - 323

VALID ENTRIES

1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2 CONTACTED PUBLIC EMPLOYMENT AGENCY
3 CONTACTED PRIVATE EMPLOYMENT AGENCY
4 CONTACTED FRIENDS OR RELATIVES
5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6 SENT OUT RESUMES/FILLED OUT APPLICATION
7 CHECKED UNION/PROFESSIONAL REGISTERS
8 PLACED OR ANSWERED ADS
9 OTHER ACTIVE
10 LOOKED AT ADS
11 ATTENDED JOB TRAINING PROGRAMS/COURSES
13 OTHER PASSIVE

PULKPS3 2 SAME AS PULKPS2 (THIRD METHOD) 324 - 325

VALID ENTRIES

1 CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2 CONTACTED PUBLIC EMPLOYMENT AGENCY
3 CONTACTED PRIVATE EMPLOYMENT AGENCY
4 CONTACTED FRIENDS OR RELATIVES
5 CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6 SENT OUT RESUMES/FILLED OUT APPLICATION
7 CHECKED UNION/PROFESSIONAL REGISTERS
8 PLACED OR ANSWERED ADS
9 OTHER ACTIVE
10 LOOKED AT ADS
11 ATTENDED JOB TRAINING PROGRAMS/COURSES
13 OTHER PASSIVE

PULKPS4 2 SAME AS PULKPS2 (FOURTH METHOD) 326 - 327

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1	CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2	CONTACTED PUBLIC EMPLOYMENT AGENCY
3	CONTACTED PRIVATE EMPLOYMENT AGENCY
4	CONTACTED FRIENDS OR RELATIVES
5	CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6	SENT OUT RESUMES/FILLED OUT APPLICATION
7	CHECKED UNION/PROFESSIONAL REGISTERS
8	PLACED OR ANSWERED ADS
9	OTHER ACTIVE
10	LOOKED AT ADS
11	ATTENDED JOB TRAINING PROGRAMS/COURSES
13	OTHER PASSIVE

PULKPS5   2   SAME AS PULKPS2 (FIFTH METHOD)   328 - 329

VALID ENTRIES

1	CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2	CONTACTED PUBLIC EMPLOYMENT AGENCY
3	CONTACTED PRIVATE EMPLOYMENT AGENCY
4	CONTACTED FRIENDS OR RELATIVES
5	CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6	SENT OUT RESUMES/FILLED OUT APPLICATION
7	CHECKED UNION/PROFESSIONAL REGISTERS
8	PLACED OR ANSWERED ADS
9	OTHER ACTIVE
10	LOOKED AT ADS
11	ATTENDED JOB TRAINING PROGRAMS/COURSES
13	OTHER PASSIVE

PULKPS6   2   SAME AS PULKPS2 (SIXTH METHOD)   330 - 331

VALID ENTRIES

1	CONTACTED EMPLOYER DIRECTLY/INTERVIEW
2	CONTACTED PUBLIC EMPLOYMENT AGENCY
3	CONTACTED PRIVATE EMPLOYMENT AGENCY
4	CONTACTED FRIENDS OR RELATIVES
5	CONTACTED SCHOOL/UNIVERSITY EMPL CENTER
6	SENT OUT RESUMES/FILLED OUT APPLICATION
7	CHECKED UNION/PROFESSIONAL REGISTERS
8	PLACED OR ANSWERED ADS
9	OTHER ACTIVE

10   LOOKED AT ADS
11   ATTENDED JOB TRAINING PROGRAMS/COURSES
13   OTHER PASSIVE

PELKAVL   2   LAST WEEK, COULD YOU HAVE STARTED   332 - 333
                            A JOB IF ONE HAD BEEN OFFERED?

                            EDITED UNIVERSE: PELKM1 = 1 - 13

                            VALID ENTRIES

                            1   YES
                            2   NO

PULKAVR   2   WHY IS THAT?   334 - 335

                            VALID ENTRIES

                            1   WAITING FOR NEW JOB TO BEGIN
                            2   OWN TEMPORARY ILLNESS
                            3   GOING TO SCHOOL
                            4   OTHER - SPECIFY

PELKLL1O   2   BEFORE YOU STARTED LOOKING FOR WORK,336 - 337
                            WHAT WERE YOU DOING: WORKING, GOING
                            TO SCHOOL, OR SOMETHING ELSE?

                            EDITED UNIVERSE: PELKAVL = 1-2

                            VALID ENTRIES

                            1   WORKING
                            2   SCHOOL
                            3   LEFT MILITARY SERVICE
                            4   SOMETHING ELSE

PELKLL2O   2   DID YOU LOSE OR QUIT THAT JOB, OR WAS IT   338 - 339
                            A TEMPORARY JOB THAT ENDED?

                            EDITED UNIVERSE: PELKLL1O = 1 OR 3

                            VALID ENTRIES

                            1   LOST JOB
                            2   QUIT JOB
                            3   TEMPORARY JOB ENDED

NAME	SIZE	DESCRIPTION	LOCATION

PELKLWO   2   WHEN LAST WORKED   340 - 341

                        EDITED UNIVERSE: PELKLL1O = 1 - 4

                        <u>VALID ENTRIES</u>

                        1   WITHIN THE LAST 12 MONTHS
                        2   MORE THAN 12 MONTHS AGO
                        3   NEVER WORKED

PELKDUR   3   DURATION OF JOB SEEKING   342 - 344

                        EDITED UNIVERSE: PELKLWO = 1 - 3

                        <u>VALID ENTRIES</u>

                        0-118   Weeks looking for work
                        119   119 or more weeks looking

                        Topcoded at 119 weeks starting April 2011

PELKFTO   2   FT/PT STATUS OF JOBSEEKER   345 - 346

                        EDITED UNIVERSE: PELKDUR = 0-120

                        <u>VALID ENTRIES</u>

                        1   YES
                        2   NO
                        3   DOESN'T MATTER

PEDWWNTO 2   DO YOU CURRENTLY WANT A JOB,   347 - 348
                        EITHER FULL OR PART TIME?

                        EDITED UNIVERSE: PUDWCK1 = 3, 4, -1

                        <u>VALID ENTRIES</u>

                        1   YES, OR MAYBE, IT DEPENDS
                        2   NO
                        3   RETIRED
                        4   DISABLED
                        5   UNABLE

NAME	SIZE	DESCRIPTION	LOCATION

PEDWRSN   2   WHAT IS THE MAIN REASON YOU WERE NOT   349 - 350
LOOKING FOR WORK DURING THE LAST 4 WEEKS?

EDITED UNIVERSE: PUDWCK4 = 4, -1

<u>VALID ENTRIES</u>

1   BELIEVES NO WORK AVAILABLE IN AREA OF EXPERTISE
2   COULDN'T FIND ANY WORK
3   LACKS NECESSARY SCHOOLING/TRAINING
4   EMPLOYERS THINK TOO YOUNG OR TOO OLD
5   OTHER TYPES OF DISCRIMINATION
6   CAN'T ARRANGE CHILD CARE
7   FAMILY RESPONSIBILITIES

8   IN SCHOOL OR OTHER TRAINING
9   ILL-HEALTH, PHYSICAL DISABILITY
10   TRANSPORTATION PROBLEMS
11   OTHER - SPECIFY

PEDWLKO   2   DID YOU LOOK FOR WORK AT ANY TIME   351 - 352
IN THE LAST 12 MONTHS

EDITED UNIVERSE: (PUDWCK4 = 1-3) or (PEDWRSN = 1-11)

<u>VALID ENTRIES</u>

1   YES
2   NO

PEDWWK   2   DID YOU ACTUALLY WORK AT A JOB OR   353 - 354
BUSINESS DURING THE LAST 12 MONTHS?

EDITED UNIVERSE: PEDWLKO = 1

<u>VALID ENTRIES</u>

1   YES
2   NO

PEDW4WK   2   DID YOU DO ANY OF THIS WORK DURING   355 - 356
THE LAST 4 WEEKS?

EDITED UNIVERSE: PEDWWK = 1

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1   YES
2   NO

PEDWLKWK 2   SINCE YOU LEFT THAT JOB OR   357 - 358
BUSINESS HAVE YOU LOOKED FOR WORK?

EDITED UNIVERSE: PEDW4WK = 2

VALID ENTRIES

1   YES
2   NO

PEDWAVL   2   LAST WEEK, COULD YOU HAVE STARTED   359 - 360
A JOB IF ONE HAD BEEN OFFERED?

EDITED UNIVERSE: (PEDWWK = 2) or (PEDWLKWK = 1)

VALID ENTRIES

1   YES
2   NO

PEDWAVR   2   WHY IS THAT?   361 - 362

EDITED UNIVERSE: PEDWAVL = 2

VALID ENTRIES

1   OWN TEMPORARY ILLNESS
2   GOING TO SCHOOL
3   OTHER

PUDWCK1   2   SCREEN FOR DISCOURAGED WORKERS   363 - 364

VALID ENTRIES

1   IF ENTRY OF 2 IN BUS2 GOTO PUSCHCK
2   IF ENTRY OF 3 ON ABSRSN GOTO PUNLFCK1
3   IF ENTRY OF 1 IN RET1, STORE 1 IN DWWNTO
      AND GOTO PUDWCK4
4   ALL OTHERS GOTO PUDWWNT

NAME	SIZE	DESCRIPTION	LOCATION

PUDWCK2   2   SCREEN FOR DISABLED   365 - 366

VALID ENTRIES

1   IF ENTRY IN DIS1 OR DIS2 GOTO PUJHCK1-C
2   IF ENTRY OF 4 IN DWWNT GOTO PUDIS1
3   IF ENTRY OF 5 IN DWWNT GOTO PUDIS2
4   ALL OTHERS GOTO PUDWCK4

PUDWCK3   2   FILTER FOR RETIRED   367 - 368

VALID ENTRIES

1   IF AGERNG EQUALS 1-4 OR 9 GOTO PUDWCK4
2   ALL OTHERS GOTO PUNLFCK2

PUDWCK4   2   FILTER FOR PASSIVE JOB SEEKERS   369 - 370

VALID ENTRIES

1   IF ENTRY OF 10 AND/OR 11 AND/OR 13
     ONLY IN LKM1-LKM3 GOTO PUDWCK5
2   IF ENTRY OF 10 AND/OR 11 AND/OR 13
     ONLY IN LKDK1-LKDK3 GOTO PUDWCK5
3   IF ENTRY OF 10 AND/OR 11 AND/OR 13
     ONLY IN LKPS1-LKPS3 GOTO PUDWCK5
4   ALL OTHERS GOTO PUDWRSN

PUDWCK5   2   FILTER FOR PASSIVE JOB SEEKERS   371 - 372

VALID ENTRIES

1   IF ENTRY OF 1 IN LK THEN STORE 1
     IN DWLKO AND GOTO PUDWWK
2   ALL OTHERS GOTO PUDWLK

PEJHWKO   2   HAVE YOU WORKED AT A JOB OR BUSINESS   373 - 374
                         AT ANY TIME DURING THE PAST 12 MONTHS?

EDITED UNIVERSE: HRMIS = 4 or 8 AND PEMLR = 5, 6, AND 7

VALID ENTRIES

1   YES
2   NO

NAME	SIZE	DESCRIPTION	LOCATION

PUJHDP1O　2　DID YOU DO ANY OF THIS WORK IN　375 - 376
THE LAST 4 WEEKS?

<u>VALID ENTRIES</u>

1　YES
2　NO

PEJHRSN　2　WHAT IS THE MAIN REASON YOU LEFT　377 - 378
YOUR LAST JOB?

EDITED UNIVERSE:　PEJHWKO = 1

<u>VALID ENTRIES</u>

1　PERSONAL/FAMILY (INCLUDING PREGNANCY)
2　RETURN TO SCHOOL
3　HEALTH
4　RETIREMENT OR OLD AGE
5　TEMP, SEASONAL OR INTERMITTENT JOB COMPLETE
6　SLACK WORK/BUSINESS CONDITIONS
7　UNSATISFACTORY WORK ARRANGEMENTS (HRS, PAY, ETC.)
8　OTHER - SPECIFY

PEJHWANT　2　DO YOU INTEND TO LOOK FOR WORK DURING　379 - 380
THE NEXT 12 MONTHS?

EDITED UNIVERSE:　(PEJHWKO = 2) or (PEJHRSN = 1-8)

<u>VALID ENTRIES</u>

1　YES, OR IT DEPENDS
2　NO

PUJHCK1　2　FILTER FOR OUTGOING ROTATIONS　381 - 382

<u>VALID ENTRIES</u>

1　PURET1 = 1, -2, OR -3
　　THEN GOTO NLFCK2
2　IF MISCK EQUALS 4 OR 8
　　THEN GOTO PUJHCK2
3　ALL OTHERS GOTO PUNLFCK1

PUJHCK2　2　FILTER FOR PERSONS GOING THROUGH THE　383 - 384
I AND O SERIES

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1   IF ENTRY OF 1 IN DWWK AND I-MLR= 3, 4
THEN STORE 1 IN JHWKO, STORE
DW4WK IN JHDP1O AND GOTO PUJHRSN
2   IF ENTRY OF 2, D OR R IN DWWK THEN STORE DWWK IN
JHWKO AND GOTO PUJHWANT
3   ALL OTHERS GOTO PUJHWK

PRABSREA   2   REASON NOT AT WORK AND PAY STATUS   385 - 386

EDITED UNIVERSE: PEMLR = 2

VALID ENTRIES

1   FT PAID-VACATION
2   FT PAID-OWN ILLNESS
3   FT PAID-CHILD CARE PROBLEMS
4   FT PAID-OTHER FAMILY/PERSONAL OBLIG.
5   FT PAID-MATERNITY/PATERNITY LEAVE
6   FT PAID-LABOR DISPUTE
7   FT PAID-WEATHER AFFECTED JOB
8   FT PAID-SCHOOL/TRAINING
9   FT PAID-CIVIC/MILITARY DUTY
10   FT PAID-OTHER
11   FT UNPAID-VACATION
12   FT UNPAID-OWN ILLNESS
13   FT UNPAID-CHILD CARE PROBLEMS
14   FT UNPAID-OTHER FAM/PERSONAL OBLIGATION
15   FT UNPAID-MATERNITY/PATERNITY LEAVE
16   FT UNPAID-LABOR DISPUTE
17   FT UNPAID-WEATHER AFFECTED JOB
18   FT UNPAID-SCHOOL/TRAINING
19   FT UNPAID-CIVIC/MILITARY DUTY
20   FT UNPAID-OTHER
21   PT PAID-VACATION
22   PT PAID-OWN ILLNESS
23   PT PAID-CHILD CARE PROBLEMS
24   PT PAID-OTHER FAMILY/PERSONAL OBLIG.
25   PT PAID-MATERNITY/PATERNITY LEAVE
26   PT PAID-LABOR DISPUTE
27   PT PAID-WEATHER AFFECTED JOB
28   PT PAID-SCHOOL/TRAINING
29   PT PAID-CIVIC/MILITARY DUTY
30   PT PAID-OTHER
31   PT UNPAID-VACATION

32	PT UNPAID-OWN ILLNESS
33	PT UNPAID-CHILD CARE PROBLEMS
34	PT UNPAID-OTHER FAM/PERSONAL OBLIGATION
35	PT UNPAID-MATERNITY/PATERNITY LEAVE
36	PT UNPAID-LABOR DISPUTE
37	PT UNPAID-WEATHER AFFECTED JOB
38	PT UNPAID-SCHOOL/TRAINING
39	PT UNPAID-CIVIC/MILITARY DUTY
40	PT UNPAID-OTHER

PRCIVLF   2   CIVILIAN LABOR FORCE   387 - 388

EDITED UNIVERSE: PEMLR = 1-7

<u>VALID ENTRIES</u>

01	IN CIVILIAN LABOR FORCE
02	NOT IN CIVILIAN LABOR FORCE

PRDISC   2   DISCOURAGED WORKER RECODE   389 - 390

EDITED UNIVERSE: PRJOBSEA = 1-4

<u>VALID ENTRIES</u>

1	DISCOURAGED WORKER
2	CONDITIONALLY INTERESTED
3	NOT AVAILABLE

PREMPHRS   2   REASON NOT AT WORK OR HOURS AT WORK   391 - 392

EDITED UNIVERSE: PEMLR = 1-7

<u>VALID ENTRIES</u>

0	UNEMPLOYED AND NILF
1	W/JOB, NOT AT WORK-ILLNES
2	W/JOB, NOT AT WORK-VACATION
3	W/JOB, NOT AT WORK-WEATHER AFFECTED JOB
4	W/JOB, NOT AT WORK-LABOR DISPUTE
5	W/JOB, NOT AT WORK-CHILD CARE PROBLEMS
6	W/JOB, NOT AT WORK-FAM/PERS OBLIGATION
7	W/JOB, NOT AT WORK-MATERNITY/PATERNITY
8	W/JOB, NOT AT WORK-SCHOOL/TRAINING
9	W/JOB, NOT AT WORK-CIVIC/MILITARY DUTY
10	W/JOB, NOT AT WORK-DOES NOT WORK IN BUS

NAME	SIZE	DESCRIPTION	LOCATION

11 W/JOB, NOT AT WORK-OTHER
12 AT WORK- 1-4 HRS
13 AT WORK- 5-14 HRS
14 AT WORK- 15-21 HRS
15 AT WORK- 22-29 HRS
16 AT WORK- 30-34 HRS
17 AT WORK- 35-39 HRS
18 AT WORK- 40 HRS
19 AT WORK- 41-47 HRS
20 AT WORK- 48 HRS
21 AT WORK- 49-59 HRS
22 AT WORK- 60 HRS OR MORE

PREMPNOT   2   MLR - EMPLOYED, UNEMPLOYED, OR NILF   393 - 394

EDITED UNIVERSE: PEMLR = 1-7

VALID ENTRIES

1   EMPLOYED
2   UNEMPLOYED
3   NOT IN LABOR FORCE (NILF)-discouraged
4   NOT IN LABOR FORCE (NILF)-other

PREXPLF   2   EXPERIENCED LABOR FORCE EMPLOYMENT   395 - 396

EDITED UNIVERSE: PEMLR = 1-4 AND
PELKLWO ne 3

VALID ENTRIES

1   EMPLOYED
2   UNEMPLOYED

PRFTLF   2   FULL TIME LABOR FORCE   397 - 398

EDITED UNIVERSE: PEMLR = 1-4

VALID ENTRIES

1   FULL TIME LABOR FORCE
2   PART TIME LABOR FORCE

PRHRUSL   2   USUAL HOURS WORKED WEEKLY   399 - 400

NAME	SIZE	DESCRIPTION	LOCATION

EDITED UNIVERSE: PEMLR = 1-2

VALID ENTRIES

1   0-20 HRS
2   21-34 HRS
3   35-39 HRS
4   40 HRS
5   41-49 HRS
6   50 OR MORE HRS
7   VARIES-FULL TIME
8   VARIES-PART TIME

PRJOBSEA   2   JOB SEARCH RECODE   401 - 402

EDITED UNIVERSE: PRWNTJOB = 1

VALID ENTRIES

1   LOOKED LAST 12 MONTHS, SINCE COMPLETING PREVIOUS JOB
2   LOOKED AND WORKED IN THE LAST 4 WEEKS
3   LOOKED LAST 4 WEEKS - LAYOFF
4   UNAVAILABLE JOB SEEKERS
5   NO RECENT JOB SEARCH

PRPTHRS   2   AT WORK 1-34 BY HOURS AT WORK   403 - 404

EDITED UNIVERSE: PEMLR = 1 AND
                     PEHRACTT = 1-34

VALID ENTRIES

0   USUALLY FT, PT FOR NONECONOMIC REASONS
1   USUALLY.FT, PT ECON REASONS; 1-4 HRS
2   USUALLY.FT, PT ECON REASONS; 5-14 HRS
3   USUALLY.FT, PT ECON REASONS; 15-29 HRS
4   USUALLY.FT, PT ECON REASONS; 30-34 HRS
5   USUALLY.PT, ECON REASONS; 1-4 HRS
6   USUALLY.PT, ECON REASONS; 5-14 HRS
7   USUALLY.PT, ECON REASONS; 15-29 HRS
8   USUALLY.PT, ECON REASONS; 30-34 HRS
9   USUALLY.PT, NON-ECON REASONS; 1-4 HRS
10   USUALLY.PT, NON-ECON REASONS; 5-14 HRS
11   USUALLY.PT, NON-ECON REASONS; 15-29 HRS
12   USUALLY.PT, NON-ECON REASONS; 30-34 HRS

NAME	SIZE	DESCRIPTION	LOCATION
PRPTREA	2	DETAILED REASON FOR PART-TIME	405 - 406

EDITED UNIVERSE: PEMLR = 1 AND
(PEHRUSLT = 0-34 OR PEHRACTT = 1-34)

VALID ENTRIES

1   USU. FT-SLACK WORK/BUSINESS CONDITIONS
2   USU. FT-SEASONAL WORK
3   USU. FT-JOB STARTED/ENDED DURING WEEK
4   USU. FT-VACATION/PERSONAL DAY
5   USU. FT-OWN ILLNESS/INJURY/MEDICAL APPOINTMENT
6   USU. FT-HOLIDAY (RELIGIOUS OR LEGAL)
7   USU. FT-CHILD CARE PROBLEMS
8   USU. FT-OTHER FAM/PERS OBLIGATIONS
9   USU. FT-LABOR DISPUTE
10   USU. FT-WEATHER AFFECTED JOB
11   USU. FT-SCHOOL/TRAINING
12   USU. FT-CIVIC/MILITARY DUTY
13   USU. FT-OTHER REASON
14   USU. PT-SLACK WORK/BUSINESS CONDITIONS
15   USU. PT-COULD ONLY FIND PT WORK
16   USU. PT-SEASONAL WORK
17   USU. PT-CHILD CARE PROBLEMS
18   USU. PT-OTHER FAM/PERS OBLIGATIONS
19   USU. PT-HEALTH/MEDICAL LIMITATIONS
20   USU. PT-SCHOOL/TRAINING
21   USU. PT-RETIRED/S.S. LIMIT ON EARNINGS
22   USU. PT-WORKWEEK <35 HOURS
23   USU. PT-OTHER REASON

NAME	SIZE	DESCRIPTION	LOCATION
PRUNEDUR	3	DURATION OF UNEMPLOYMENT FOR LAYOFF AND LOOKING RECORDS	407 - 409

EDITED UNIVERSE: PEMLR = 3-4

VALID ENTRIES

0   MIN VALUE
119 MAX VALUE

Topcoded consistent with PELAYDUR or PELKDUR,
as appropriate, starting April 2011.

NAME	SIZE	DESCRIPTION	LOCATION
FILLER	2		410 - 411

NAME	SIZE	DESCRIPTION	LOCATION

PRUNTYPE   2   REASON FOR UNEMPLOYMENT   412 - 413

EDITED UNIVERSE: PEMLR = 3-4

<u>VALID ENTRIES</u>

1   JOB LOSER/ON LAYOFF
2   OTHER JOB LOSER
3   TEMPORARY JOB ENDED
4   JOB LEAVER
5   RE-ENTRANT
6   NEW-ENTRANT

PRWKSCH   2   LABOR FORCE BY TIME   414 - 415
WORKED OR LOST

EDITED UNIVERSE: PEMLR = 1 - 7

<u>VALID ENTRIES</u>

0   NOT IN LABOR FORCE
1   AT WORK
2   WITH JOB, NOT AT WORK
3   UNEMPLOYED, SEEKS FT
4   UNEMPLOYED, SEEKS PT

PRWKSTAT   2   FULL/PART-TIME WORK STATUS   416 - 417

EDITED UNIVERSE: PEMLR = 1-7

<u>VALID ENTRIES</u>

1   NOT IN LABOR FORCE
2   FT HOURS (35+), USUALLY FT
3   PT FOR ECONOMIC REASONS, USUALLY FT
4   PT FOR NON-ECONOMIC REASONS, USUALLY FT
5   NOT AT WORK, USUALLY FT
6   PT HRS, USUALLY PT FOR ECONOMIC REASONS
7   PT HRS, USUALLY PT FOR NON-ECONOMIC REASONS
8   FT HOURS, USUALLY PT FOR ECONOMIC REASONS
9   FT HOURS, USUALLY PT FOR NON-ECONOMIC
10   NOT AT WORK, USUALLY PART-TIME
11   UNEMPLOYED FT
12   UNEMPLOYED PT

NAME	SIZE	DESCRIPTION	LOCATION

PRWNTJOB   2   NILF RECODE - WANT A JOB OR OTHER NILF   418 - 419

                            EDITED UNIVERSE: PEMLR = 5-7

                            <u>VALID ENTRIES</u>

                            1   WANT A JOB
                            2   OTHER NOT IN LABOR FORCE

PUJHCK3   2   JOB HISTORY CHECK ITEM   420 - 421

                            <u>VALID ENTRIES</u>

                            1   IF I-MLR EQ 3 OR 4 THEN GOTO PUJHDP1
                            2   ALL OTHERS GOTO PUJHRSN

PUJHCK4   2   SCREEN FOR DEPENDENT NILF   422 - 423

                            <u>VALID ENTRIES</u>

                            1   IF ENTRY OF 2, D OR R IN PUDW4WK OR IN PUJHDP1O
                                  THEN GOTO PUJHCK5
                            2   IF ENTRY OF 1 IN PUDW4WK OR IN PUJHDP10
                                  THEN GOTO PUIO1INT
                            3   IF I-MLR EQUALS 1 OR 2 AND ENTRY IN
                                  PUJHRSN THEN GOTO PUJHCK5
                            4   IF ENTRY IN PUJHRSN THEN GOTO PUIO1INT
                            5   ALL OTHERS GOTO PUNLFCK1

PUJHCK5   2   SCREEN FOR DEPENDENT NILF   424 - 425

                            <u>VALID ENTRIES</u>

                            1   IF I-IO1ICR EQUALS 1 OR I-IO1OCR
                                  EQUALS 1 THEN GOTO PUIO1INT
                            2   ALL OTHERS GOTO PUIOCK5

PUIODP1   2   LAST MONTH, IT WAS REPORTED THAT YOU   426 - 427
                            WORKED FOR (EMPLOYER'S NAME). DO
                            STILL WORK FOR (EMPLOYER'S NAME)
                            (AT YOUR MAIN JOB)?

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1   YES
2   NO

PUIODP2   2   HAVE THE USUAL ACTIVITIES AND DUTIES   428 - 429
OF YOUR JOB CHANGED SINCE LAST MONTH?

VALID ENTRIES

1   YES
2   NO

PUIODP3   2   LAST MONTH YOU WERE REPORTED AS (A/AN)   430 - 431
(OCCUPATION) AND YOUR USUAL ACTIVITIES WERE
(DESCRIPTION). IS THIS AN ACCURATE
DESCRIPTION OF YOUR CURRENT JOB?

VALID ENTRIES

1   YES
2   NO

PEIO1COW   2   INDIVIDUAL CLASS OF WORKER CODE   432 - 433
ON FIRST JOB

NOTE: A PEIO1COW CODE CAN BE ASSIGNED
EVEN IF AN INDIVIDUAL IS NOT CURRENTLY
EMPLOYED.

EDITED UNIVERSE: (PEMLR = 1-3) OR
(PEMLR = 4 AND PELKLWO = 1-2) OR
(PEMLR = 5 AND (PENLFJH = 1 OR PEJHWKO = 1))
OR (PEMLR = 6 AND PENLFJH = 1) OR
(PEMLR = 7 AND (PENLFJH = 1 OR PEJHWKO = 1))

VALID ENTRIES

1   GOVERNMENT - FEDERAL
2   GOVERNMENT - STATE
3   GOVERNMENT - LOCAL
4   PRIVATE, FOR PROFIT
5   PRIVATE, NONPROFIT
6   SELF-EMPLOYED, INCORPORATED
7   SELF-EMPLOYED, UNINCORPORATED
8   WITHOUT PAY

NAME	SIZE	DESCRIPTION	LOCATION

PUIO1MFG   2   IS THIS BUSINESS OR ORGANIZATION MAINLY   434 - 435
MANUFACTURING, RETAIL TRADE,
WHOLESALE TRADE, OR SOMETHING ELSE?

VALID ENTRIES

1   MANUFACTURING
2   RETAIL TRADE
3   WHOLESALE TRADE
4   SOMETHING ELSE

PADDING   6   Main Job I & O Codes moved to columns 856 - 863   436 - 441

PEIO2COW   2   INDIVIDUAL CLASS OF WORKER ON   442 - 443
SECOND JOB.
NOTE: FOR THOSE SELF-EMPLOYED UNINCORPORATED
ON THEIR FIRST JOB, THIS SHOULD HAVE A RESPONSE
EVERY MONTH. FOR ALL OTHERS, THIS SHOULD ONLY
HAVE A VALUE IN OUT-GOING ROTATIONS.

EDITED UNIVERSE: PRIOELG = 1 and PEMJOT = 1 AND HRMIS = 4,8

VALID ENTRIES

1   GOVERNMENT - FEDERAL
2   GOVERNMENT - STATE
3   GOVERNMENT - LOCAL
4   PRIVATE, FOR PROFIT
5   PRIVATE, NONPROFIT
6   SELF-EMPLOYED, INCORPORATED
7   SELF-EMPLOYED, UNINCORPORATED
8   WITHOUT PAY

PUIO2MFG   2   IS THIS BUSINESS OR ORGANIZATION MAINLY   444 - 445
MANUFACTURING, RETAIL TRADE, WHOLESALE TRADE,
OR SOMETHING ELSE?

VALID ENTRIES

1   MANUFACTURING
2   RETAIL TRADE
3   WHOLESALE TRADE
4   SOMETHING ELSE

NAME	SIZE	DESCRIPTION	LOCATION

PADDING   6   Second Job I & O codes moved to columns 864 - 871   446 - 451

PUIOCK1   2   I & O CHECK ITEM 1   452 - 453
SCREEN FOR DEPENDENT I AND O

VALID ENTRIES

1   IF {MISCK EQ 1 OR 5)
OR MISCK EQ 2-4, 6-8 AND I-MLR EQ 3-7)
AND ENTRY OF 1 IN ABS} THEN GOTO PUIO1INT
2   IF (MISCK EQ 1 OR 5)
OR {(MISCK EQ 2-4, 6-8 AND I-MLR EQ 3-7)
AND (ENTRY OF 1 IN WK OR HRCK7-C IS BLANK, 1-3)}
GOTO PUIO1INT
3   IF I-IO1NAM IS D, R OR BLANK THEN GOTO PUIO1INT
4   ALL OTHERS GOTO PUIODP1

PUIOCK2   2   I & O CHECK ITEM 2   454 - 455
SCREEN FOR PREVIOUS MONTHS I AND O CASES

VALID ENTRIES

1   IF I-IO1ICR EQ 1 THEN GOTO PUIO1IND
2   IF I-IO1OCR EQ 1 THEN GOTO PUIO1OCC
3   ALL OTHERS GOTO PUIODP2

PUIOCK3   2   I & O CHECK ITEM 3   456 - 457

VALID ENTRIES

1   IF I-IO1OCC EQUALS D, R OR BLANK THEN GOTO PUIO1OCC
2   IF I-IO1DT1 IS D, R OR BLANK THEN GOTO PUIO1OCC
3   ALL OTHERS GOTO PUIODP3

PRIOELG   2   INDUSTRY AND OCCUPATION   458 - 459
ELIGIBILITY FLAG

EDITED UNIVERSE: PEMLR = 1-3,
OR (PEMLR = 4 AND PELKLWO = 1 OR 2)
OR (PEMLR = 5 AND
(PEJHWKO = 1 OR PENLFJH=1),
OR (PEMLR = 6 AND PENLFJH = 1),
OR PEMLR = 7 AND PEJHWKO = 1)

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

   0   NOT ELIGIBLE FOR EDIT
   1   ELIGIBLE FOR EDIT

PRAGNA   2   AGRICULTURE/   460 - 461
                      NON-AGRICULTURE INDUSTRY

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

   1   AGRICULTURAL
   2   NON-AGRICULTURAL

PRCOW1   2   CLASS OF WORKER   462 - 463
                      RECODE - JOB 1

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

   1   FEDERAL GOVT
   2   STATE GOVT
   3   LOCAL GOVT
   4   PRIVATE (INCL. SELF-EMPLOYED INCORP.)
   5   SELF-EMPLOYED, UNINCORP.
   6   WITHOUT PAY

PRCOW2   2   CLASS OF WORKER   464 - 465
                      RECODE - JOB 2

EDITED UNIVERSE: PRIOELG = 1 AND PEMJOT = 1 AND
                                HRMIS = 4 OR 8

VALID ENTRIES

   1   FEDERAL GOVT
   2   STATE GOVT
   3   LOCAL GOVT
   4   PRIVATE (INCL. SELF-EMPLOYED INCORP.)
   5   SELF-EMPLOYED, UNINCORP.
   6   WITHOUT PAY

NAME	SIZE	DESCRIPTION	LOCATION
PRCOWPG	2	COW - PRIVATE OR GOVERNMENT	466 - 467

EDITED UNIVERSE: PEIO1COW = 1 - 5

<u>VALID ENTRIES</u>

1   PRIVATE
2   GOVERNMENT

| PRDTCOW1 | 2 | DETAILED CLASS OF WORKER RECODE - JOB 1 | 468 - 469 |

EDITED UNIVERSE: PRIOELG = 1

<u>VALID ENTRIES</u>

1   AGRI., WAGE & SALARY, PRIVATE
2   AGRI., WAGE & SALARY, GOVERNMENT
3   AGRI., SELF-EMPLOYED
4   AGRI., UNPAID
5   NONAG, WS, PRIVATE, PRIVATE HHLDS
6   NONAG, WS, PRIVATE, OTHER PRIVATE
7   NONAG, WS, GOVT, FEDERAL
8   NONAG, WS, GOVT, STATE
9   NONAG, WS, GOVT, LOCAL
10   NONAG, SELF-EMPLOYED
11   NONAG, UNPAID

| PRDTCOW2 | 2 | DETAILED CLASS OF WORKER RECODE - JOB 2 | 470 - 471 |

EDITED UNIVERSE: PRIOELG = 1 AND PEMJOT = 1 AND
                                   HRMIS = 4 OR 8

<u>VALID ENTRIES</u>

1   AGRI., WAGE & SALARY, PRIVATE
2   AGRI., WAGE & SALARY, GOVERNMENT
3   AGRI., SELF-EMPLOYED
4   AGRI., UNPAID
5   NONAG, WS, PRIVATE, PRIVATE HHLDS
6   NONAG, WS, PRIVATE, OTHER PRIVATE
7   NONAG, WS, GOVT, FEDERAL
8   NONAG, WS, GOVT, STATE
9   NONAG, WS, GOVT, LOCAL
10   NONAG, SELF-EMPLOYED
11   NONAG, UNPAID

NAME	SIZE	DESCRIPTION	LOCATION
PRDTIND1	2	DETAILED INDUSTRY RECODE - JOB 1	472 - 473

EDITED UNIVERSE: PRIOELG = 1

<u>VALID ENTRIES</u>

1   Agriculture
2   Forestry, logging, fishing, hunting, and trapping
3   Mining
4   Construction
5   Nonmetallic mineral product manufacturing
6   Primary metals and fabricated metal products
7   Machinery manufacturing
8   Computer and electronic product manufacturing
9   Electrical equipment, appliance manufacturing
10   Transportation equipment manufacturing
11   Wood products
12   Furniture and fixtures manufacturing
13   Miscellaneous and not specified manufacturing
14   Food manufacturing
15   Beverage and tobacco products
16   Textile, apparel, and leather manufacturing
17   Paper and printing
18   Petroleum and coal products manufacturing
19   Chemical manufacturing
20   Plastics and rubber products
21   Wholesale trade
22   Retail trade
23   Transportation and warehousing
24   Utilities
25   Publishing industries (except internet)
26   Motion picture and sound recording industries
27   Broadcasting (except internet)
28   Internet publishing and broadcasting
29   Telecommunications
30   Internet service providers and data processing services
31   Other information services
32   Finance
33   Insurance
34   Real estate
35   Rental and leasing services
36   Professional and technical services

37   Management of companies and enterprises
38   Administrative and support services
39   Waste management and remediation services
40   Educational services
41   Hospitals
42   Health care services, except hospitals
43   Social assistance
44   Arts, entertainment, and recreation
45   Accommodation
46   Food services and drinking places
47   Repair and maintenance
48   Personal and laundry services
49   Membership associations and organizations
50   Private households
51   Public administration
52   Armed forces

PRDTIND2   2   DETAILED INDUSTRY RECODE - JOB 2   474 - 475

EDITED UNIVERSE: PRIOELG = 1 AND PEMJOT = 1 AND HRMIS = 4 OR 8

VALID ENTRIES

1   Agriculture
2   Forestry, logging, fishing, hunting, and trapping
3   Mining
4   Construction
5   Nonmetallic mineral product manufacturing
6   Primary metals and fabricated metal products
7   Machinery manufacturing
8   Computer and electronic product manufacturing
9   Electrical equipment, appliance manufacturing
10   Transportation equipment manufacturing
11   Wood products
12   Furniture and fixtures manufacturing
13   Miscellaneous and not specified manufacturing
14   Food manufacturing
15   Beverage and tobacco products
16   Textile, apparel, and leather manufacturing
17   Paper and printing
18   Petroleum and coal products manufacturing
19   Chemical manufacturing

20   Plastics and rubber products
21   Wholesale trade
22   Retail trade
23   Transportation and warehousing
24   Utilities
25   Publishing industries (except internet)
26   Motion picture and sound recording industries
27   Broadcasting (except internet)
28   Internet publishing and broadcasting
29   Telecommunications
30   Internet service providers and data processing services
31   Other information services
32   Finance
33   Insurance
34   Real estate
35   Rental and leasing services
36   Professional and technical services
37   Management of companies and enterprises
38   Administrative and support services
39   Waste management and remediation services
40   Educational services
41   Hospitals
42   Health care services, except hospitals
43   Social assistance
44   Arts, entertainment, and recreation
45   Accommodation
46   Food services and drinking places
47   Repair and maintenance
48   Personal and laundry services
49   Membership associations and organizations
50   Private households
51   Public administration
52   Armed forces

PRDTOCC1   2   DETAILED OCCUPATION RECODE - JOB 1   476 - 477

                            EDITED UNIVERSE: PRIOELG = 1

                            VALID ENTRIES

                            1   Management occupations
                            2   Business and financial operations occupations

3   Computer and mathematical science occupations
4   Architecture and engineering occupations
5   Life, physical, and social science occupations
6   Community and social service occupations
7   Legal occupations
8   Education, training, and library occupations
9   Arts, design, entertainment, sports, and media occupations
10   Healthcare practitioner and technical occupations
11   Healthcare support occupations
12   Protective service occupations
13   Food preparation and serving related occupations
14   Building and grounds cleaning and maintenance occupations
15   Personal care and service occupations
16   Sales and related occupations
17   Office and administrative support occupations
18   Farming, fishing, and forestry occupations
19   Construction and extraction occupations
20   Installation, maintenance, and repair occupations
21   Production occupations
22   Transportation and material moving occupations
23   Armed Forces

PRDTOCC2   2   DETAILED OCCUPATION RECODE   478 - 479

EDITED UNIVERSE: PRIOELG = 1 AND PEMJOT = 1 AND HRMIS = 4 OR 8

VALID ENTRIES

1   Management occupations
2   Business and financial operations occupations
3   Computer and mathematical science occupations
4   Architecture and engineering occupations
5   Life, physical, and social science occupations
6   Community and social service occupations
7   Legal occupations
8   Education, training, and library occupations
9   Arts, design, entertainment, sports, and media occupations
10   Healthcare practitioner and technical occupations
11   Healthcare support occupations
12   Protective service occupations
13   Food preparation and serving related occupations

NAME	SIZE	DESCRIPTION	LOCATION

14 Building and grounds cleaning and maintenance
   occupations
15 Personal care and service occupations
16 Sales and related occupations
17 Office and administrative support occupations
18 Farming, fishing, and forestry occupations
19 Construction and extraction occupations
20 Installation, maintenance, and repair occupations
21 Production occupations
22 Transportation and material moving occupations
23 Armed Forces

PREMP   2   EMPLOYED PERSONS (NON-FARM   480 - 481
                      & NON-PRIVATE HHLD) RECODE

                      EDITED UNIVERSE: PEMLR = 1 OR 2
                                             AND PEIO1OCD ne 403-407, 473-484

                      VALID ENTRY

                      1   EMPLOYED PERSONS (EXC. FARM & PRIV HH)

PRMJIND1   2   MAJOR INDUSTRY RECODE - JOB 1   482 - 483

                      EDITED UNIVERSE: PRDTIND1 = 1-51

                      VALID ENTRIES

                      1   Agriculture, forestry, fishing, and hunting
                      2   Mining
                      3   Construction
                      4   Manufacturing
                      5   Wholesale and retail trade
                      6   Transportation and utilities
                      7   Information
                      8   Financial activities
                      9   Professional and business services
                      10   Educational and health services
                      11   Leisure and hospitality
                      12   Other services
                      13   Public administration
                      14 Armed Forces

NAME	SIZE	DESCRIPTION	LOCATION

PRMJIND2   2   MAJOR INDUSTRY RECODE - JOB 2   484 - 485

         EDITED UNIVERSE: PRDTIND2 = 1-51

         <u>VALID ENTRIES</u>

         1   Agriculture, forestry, fishing, and hunting
         2   Mining
         3   Construction
         4   Manufacturing
         5   Wholesale and retail trade
         6   Transportation and utilities
         7   Information
         8   Financial activities
         9   Professional and business services
         10 Educational and health services
         11 Leisure and hospitality
         12 Other services
         13 Public administration
         14 Armed Forces

PRMJOCC1   2   MAJOR OCCUPATION RECODE   486 - 487
                             - JOB 1

         EDITED UNIVERSE: PRDTOCC1 = 1-46

         <u>VALID ENTRIES</u>

         1   Management, business, and financial occupations
         2   Professional and related occupations
         3   Service occupations
         4   Sales and related occupations
         5   Office and administrative support occupations
         6   Farming, fishing, and forestry occupations
         7   Construction and extraction occupations
         8   Installation, maintenance, and repair occupations
         9   Production occupations
         10 Transportation and material moving occupations
         11 Armed Forces

NAME	SIZE	DESCRIPTION	LOCATION

PRMJOCC2   2   MAJOR OCCUPATION RECODE   488 - 489
- JOB 2

EDITED UNIVERSE: PRDTOCC2 = 1-46

<u>VALID ENTRIES</u>

1   Management, business, and financial occupations
2   Professional and related occupations
3   Service occupations
4   Sales and related occupations
5   Office and administrative support occupations
6   Farming, fishing, and forestry occupations
7   Construction and extraction occupations
8   Installation, maintenance, and repair occupations
9   Production occupations
10   Transportation and material moving occupations
11   Armed Forces

PRMJOCGR   2   MAJOR OCCUPATION CATEGORIES   490 - 491

EDITED UNIVERSE: PRMJOCC = 1-11

<u>VALID ENTRIES</u>

1   Management, professional, and related occupations
2   Service occupations
3   Sales and office occupations
4   Farming, fishing, and forestry occupations
5   Construction, and maintenance occupations
6   Production, transportation, and material moving
    occupations
7   Armed Forces

PRNAGPWS   2   NON-AGRICULTURE, PRIVATE   492 - 493
WAGE AND SALARY WORKERS RECODE

EDITED UNIVERSE: PRCOW1 = 1 AND
    PEIO1ICD ne 0170 - 0890

<u>VALID ENTRY</u>

1   NON-AG PRIV WAGE & SALARY

NAME	SIZE	DESCRIPTION	LOCATION

PRNAGWS   2   NON-AGRICULTURE WAGE AND   494 - 495
SALARY WORKERS RECODE
EDITED UNIVERSE: PEMLR = 1-4
AND PRCOW = 1-4
AND PEIO1ICD ne 0170-0290

VALID ENTRY

1   NON-AG WAGE AND SALARY WORKERS

PRSJMJ   2   SINGLE/MULTIPLE JOBHOLDER RECODE   496 - 497

EDITED UNIVERSE: PEMLR = 1 OR 2

VALID ENTRIES

1   SINGLE JOBHOLDER
2   MULTIPLE JOBHOLDER

PRERELG   2   EARNINGS ELIGIBILITY FLAG   498 - 499

EDITED UNIVERSE: PEMLR = 1-2 AND HRMIS = 4 OR 8

VALID ENTRIES

0   NOT ELIGIBLE FOR EDIT
1   ELIGIBLE FOR EDIT

PEERNUOT   2   DO YOU USUALLY RECEIVE OVERTIME PAY,   500 - 501
TIPS, OR COMMISSIONS AT YOUR JOB?

EDITED UNIVERSE: PRERELG = 1

VALID ENTRIES

1   YES
2   NO

PEERNPER   2   PERIODICITY   502 - 503

EDITED UNIVERSE: PRERELG = 1

VALID ENTRIES

1   HOURLY
2   WEEKLY
3   BI-WEEKLY

NAME	SIZE	DESCRIPTION	LOCATION

4   TWICE MONTHLY
5   MONTHLY
6   ANNUALLY
7   OTHER – SPECIFY

PEERNRT   2   (EVEN THOUGH YOU TOLD ME IT IS EASIER   504 - 505
TO REPORT YOUR EARNINGS (PERIODICITY);
ARE YOU PAID AT AN HOURLY RATE ON
YOUR (MAIN/THIS) JOB?

EDITED UNIVERSE: PEERNPER = 2-7

VALID ENTRIES

1   YES
2   NO

PEERNHRY   2   HOURLY/NONHOURLY STATUS   506 - 507

EDITED UNIVERSE: PRERELG = 1

VALID ENTRIES

1   HOURLY WORKER
2   NONHOURLY WORKER

PUERNH1C   4   WHAT IS YOUR HOURLY RATE OF PAY ON   508 - 511
THIS JOB, EXCLUDING OVERTIME PAY, TIPS
OR COMMISSION?
DOLLAR AMOUNT - 2 IMPLIED DECIMALS

VALID ENTRIES

0   MIN VALUE
9999 MAX VALUE (Subject to topcoding based on the entry in PEERNHRO such
that PEERNHRO x PUERNHIC < or = 2884.61)

PEERNH2   4   (EXCLUDING OVERTIME PAY, TIPS AND   512 - 515
COMMISSIONS) WHAT IS YOUR HOURLY RATE
OF PAY ON YOUR (MAIN/THIS) JOB?
DOLLAR AMOUNT - 2 IMPLIED DECIMALS

EDITED UNIVERSE: PEERNRT = 1

NAME	SIZE	DESCRIPTION	LOCATION

<u>VALID ENTRIES</u>

0   MIN VALUE
9999 MAX VALUE (Subject to topcoding based on the in PEERNHRO such that PEERNHRO x PEERNH2 < or = 2884.61)

PEERNH1O	4	OUT VARIABLE FOR HOURLY RATE OF PAY (2 IMPLIED DECIMALS) EDITED UNIVERSE: PEERNPER = 1	516 - 519

<u>VALID ENTRIES</u>

0   MIN VALUE
9999 MAX VALUE (Subject to topcoding based on the entry in PEERNHRO such that PEERNHRO x PEERNHLY < or = 2884.61)

PRERNHLY	4	RECODE FOR HOURLY RATE 2 IMPLIED DECIMALS	520 - 523

EDITED UNIVERSE: PEERNPER = 1 OR PEERNRT = 1

<u>VALID ENTRIES</u>

0   MIN VALUE
9999 MAX VALUE (Subject to topcoding based on the entry in PEERNHRO such that PEERNHRO x PEERNHLY < or = 2884.61)

PTHR	1	HOURLY PAY - TOP CODE	524 - 524

<u>VALID ENTRIES</u>

0   NOT TOPCODED
1   TOPCODED

PEERNHRO	2	USUAL HOURS	525 - 526

EDITED UNIVERSE: PEERNH1O = ENTRY

<u>VALID ENTRIES</u>

0   MIN VALUE
99   MAX VALUE

NAME	SIZE	DESCRIPTION	LOCATION

PRERNWA   8   WEEKLY EARNINGS RECODE   527 - 534
2 IMPLIED DECIMALS

EDITED UNIVERSE: PRERELG = 1

VALID ENTRIES

0   MIN VALUE
288461   MAX VALUE

PTWK   1   WEEKLY EARNINGS - TOP CODE   535 - 535

0   NOT TOPCODED
1   TOPCODED

FILLER   4   536 - 539

PEERN   8   CALCULATED WEEKLY OVERTIME AMOUNT   540 - 547
2 IMPLIED DECIMALS

EDITED UNIVERSE: PEERNUOT = 1 AND PEERNPER = 1

VALID ENTRIES

0   MIN VALUE
288461   MAX VALUE

PUERN2   8   CALCULATED WEEKLY   548 - 555
OVERTIME AMOUNT
2 IMPLIED DECIMALS

VALID ENTRIES

0   MIN VALUE
288461   MAX VALUE

PTOT   1   WEEKLY OVERTIME AMOUNT - TOP CODE   556 - 556

VALID ENTRIES

0   NOT TOPCODED
1   TOPCODED

FILLER   2   557 - 558

NAME	SIZE	DESCRIPTION	LOCATION

PEERNWKP   2   HOW MANY WEEKS A YEAR DO YOU   559 - 560
GET PAID FOR?

                        EDITED UNIVERSE: PEERNPER = 6

                        <u>VALID ENTRIES</u>

                        01   MIN VALUE
                        52   MAX VALUE

PEERNLAB   2   ON THIS JOB, ARE YOU A MEMBER OF A   561 - 562
LABOR UNION OR OF AN EMPLOYEE ASSOCIATION
SIMILAR TO A UNION?

                        EDITED UNIVERSE: (PEIO1COW = 1-5 AND PEMLR = 1-2
                                          AND HRMIS = 4, 8)

                        <u>VALID ENTRIES</u>

                        1   YES
                        2   NO

PEERNCOV   2   ON THIS JOB ARE YOU COVERED BY A UNION   563 - 564
OR EMPLOYEE ASSOCIATION CONTRACT?

                        EDITED UNIVERSE: (PEIO1COW = 1-5 AND PEMLR = 1-2
                                          AND HRMIS = 4, 8)

                        <u>VALID ENTRIES</u>

                        1   YES
                        2   NO

PENLFJH   2   WHEN DID YOU LAST WORK AT A JOB   565 - 566
OR BUSINESS?

                        EDITED UNIVERSE: HRMIS = 4 OR 8 AND PEMLR = 3-7

                        <u>VALID ENTRIES</u>

                        1   WITHIN THE LAST 12 MONTHS
                        2   MORE THAN 12 MONTHS AGO
                        3   NEVER WORKED

NAME	SIZE	DESCRIPTION	LOCATION

PENLFRET   2   ARE YOU RETIRED FROM A JOB   567 - 568
OR BUSINESS?

EDITED UNIVERSE: PRTAGE = 50+ AND PEMLR = 3-7

VALID ENTRIES

1   YES
2   NO

PENLFACT   2   WHAT BEST DESCRIBES YOUR SITUATION AT   569 - 570
THIS TIME? FOR EXAMPLE, ARE YOU DISABLED,
ILL, IN SCHOOL, TAKING CARE OF HOUSE OR
FAMILY, OR SOMETHING ELSE?

EDITED UNIVERSE: (PRTAGE = 14-49) or (PENLFRET = 2)

VALID ENTRIES

1   DISABLED
2   ILL
3   IN SCHOOL
4   TAKING CARE OF HOUSE OR FAMILY
5   IN RETIREMENT
6   SOMETHING ELSE/OTHER

PUNLFCK1   2   NOT IN LABOR FORCE   571 - 572
CHECK ITEM - 1

VALID ENTRIES

1   IF AGERNG EQUALS 1-4 OR 9
      THEN GOTO NLFACT
2   ALL OTHERS GOT NLFRET

PUNLFCK2   2   NOT IN LABOR FORCE   573 - 574
CHECK ITEM - 2

VALID ENTRIES

1   IF MISCK EQUALS 4 OR 8 THEN GOTO NLFJH
2   ALL OTHERS GOTO LBFR-END

PESCHENR   2   LAST WEEK, WERE YOU ENROLLED IN A   575 - 576
HIGH SCHOOL, COLLEGE, OR UNIVERSITY?

NAME	SIZE	DESCRIPTION	LOCATION

EDITED UNIVERSE: PRPERTYP = 2 and PRTAGE = 16-54

VALID ENTRIES

1   YES
2   NO

PESCHFT   2   ARE YOU ENROLLED IN SCHOOL AS A   577 - 578
FULL-TIME OR PART-TIME STUDENT?

EDITED UNIVERSE: PESCHLVL = 1, 2

VALID ENTRIES

1   FULL-TIME
2   PART-TIME

PESCHLVL   2   WOULD THAT BE HIGH SCHOOL, COLLEGE,   579 - 580
OR UNIVERSITY?

EDITED UNIVERSE: PESCHENR = 1

VALID ENTRIES

1   HIGH SCHOOL
2   COLLEGE OR UNIVERSITY

PRNLFSCH   2   NLF ACTIVITY - IN SCHOOL OR   581 - 582
NOT IN SCHOOL

EDITED UNIVERSE: PENLFACT = -1 OR 1-6 AND PRTAGE = 16-24

VALID ENTRIES

1   IN SCHOOL
2   NOT IN SCHOOL

PERSON'S WEIGHTS

PWFMWGT   10   FAMILY WEIGHT   583 - 592
(4 IMPLIED DECIMALS)
ONLY USED FOR TALLYING FAMILY CHARACTERISTICS.

EDITED UNIVERSE: PRPERTYP = 1-3

NAME	SIZE	DESCRIPTION	LOCATION

PWLGWGT   10   LONGITUDINAL WEIGHT   593 - 602

PWLGWGT 10   LONGITUDINAL WEIGHT   593 - 602
(4 IMPLIED DECIMALS)
ONLY FOUND ON ADULT RECORDS MATCHED FROM MONTH TO MONTH.
(USED FOR GROSS FLOWS ANALYSIS)

EDITED UNIVERSE: PRPERTYP = 2

PWORWGT 10   OUTGOING ROTATION WEIGHT   603 - 612
(4 IMPLIED DECIMALS)
USED FOR TALLYING INFORMATION COLLECTED ONLY IN
OUTGOING ROTATIONS (i.e., EARNINGS, 2nd JOB I & O,
DETAILED NILF)

EDITED UNIVERSE: PRPERTYP = 2

PWSSWGT 10   FINAL WEIGHT   613 - 622
(4 IMPLIED DECIMAL PLACES)
USED FOR MOST TABULATIONS, CONTROLLED TO
INDEPENDENT ESTIMATES FOR 1) STATES; 2) ORIGIN, SEX,
AND AGE; AND 3) AGE, RACE, AND SEX.

EDITED UNIVERSE: PRPERTYP = 1-3

PWVETWGT 10   VETERANS WEIGHT   623 - 632
(4 IMPLIED DECIMALS)
USED FOR TALLYING VETERAN'S DATA ONLY, CONTROLLED TO
ESTIMATES OF VETERANS SUPPLIED BY VA.

EDITED UNIVERSE: PRPERTYP = 2

PRCHLD 2   PRESENCE OF OWN CHILDREN <18 YEARS   633-634
OF AGE BY SELECTED AGE GROUP

EDITED UNIVERSE: PRFAMREL = 1 or 2

VALID ENTRIES

-1 NIU (Not a parent)
 0 No own children under 18 years of age
 1 All own children 0- 2 years of age
 2 All own children 3- 5 years of age
 3 All own children 6-13 years of age
 4 All own children 14-17 years of age
 5 Own children 0- 2 and 3- 5 years of age (none 6-17)
 6 Own children 0- 2 and 6-13 years of age (none 3- 5 or 14-17)

7 Own children 0- 2 and 14-17 years of age (none 3-13)
8 Own children 3- 5 and 6-13 years of age (none 0- 2 or 14-17)
9 Own children 3- 5 and 14-17 years of age (none 0- 2 or 6-13)
10 Own children 6-13 and 14-17 years of age (none 0- 5)
11 Own children 0- 2, 3- 5, and 6-13 years of age (none 14-17)
12 Own children 0- 2, 3- 5, and 14-17 years of age (none 6-13)
13 Own children 0- 2, 6-13, and 14-17 years of age (none 3- 5)
14 Own children 3- 5, 6-13, and 14-17 years of age (none 0- 2)
15 Own children from all age groups

PRNMCHLD   2   Number of own children <18 years of age   635-636

EDITED UNIVERSE: PRFAMREL = 1 or 2

VALID ENTRIES

-1 NIU (Not a parent)
0:99 Number of own children under 18 years of age

ALLOCATION FLAGS
Unless otherwise noted, the values for all allocation
flags are defined as described below:

VALID ENTRIES

00   VALUE - NO CHANGE
01   BLANK - NO CHANGE
02   DON'T KNOW - NO CHANGE
03   REFUSED - NO CHANGE
10   VALUE TO VALUE
11   BLANK TO VALUE
12   DON'T KNOW TO VALUE
13   REFUSED TO VALUE
20   VALUE TO LONGITUDINAL VALUE
21   BLANK TO LONGITUDINAL VALUE
22   DON'T KNOW TO LONGITUDINAL VALUE
23   REFUSED TO LONGITUDINAL VALUE
30   VALUE TO ALLOCATED VALUE LONG.
31   BLANK TO ALLOCATED VALUE LONG.
32   DON'T KNOW TO ALLOCATED VALUE LONG.
33   REFUSED TO ALLOCATED VALUE LONG.
40   VALUE TO ALLOCATED VALUE
41   BLANK TO ALLOCATED VALUE

NAME	SIZE	DESCRIPTION	LOCATION

		42 DON'T KNOW TO ALLOCATED VALUE	
		43 REFUSED TO ALLOCATED VALUE	
		50 VALUE TO BLANK	
		52 DON'T KNOW TO BLANK	
		53 REFUSED TO BLANK	

PXPDEMP1   2   ALLOCATION FLAG   637-638

PRWERNAL   2   ALLOCATION FLAG   639 - 640

WEEKLY EARNINGS RECODE (PRERNWA)
ALLOCATION FLAG

EDITED UNIVERSE: PRERELG = 1

00   NO ALLOCATION
01   ONE OR MORE COMPONENTS OF THE
      RECODE ARE ALLOCATED

PRHERNAL   2   ALLOCATION FLAG   641 - 642

HOURLY EARNINGS RECODE (PRERNHLY)
ALLOCATION FLAG

EDITED UNIVERSE: PRERNHRY = 1

00   NO ALLOCATION
01   ONE OR MORE COMPONENT OF THE
      RECODE ARE ALLOCATED

HXTENURE   2   ALLOCATION FLAG   643 - 644
               See HETENURE note.

HXHOUSUT   2   ALLOCATION FLAG   645 - 646

HXTELHHD   2   ALLOCATION FLAG   647 - 648

HXTELAVL   2   ALLOCATION FLAG   649 - 650

HXPHONEO   2   ALLOCATION FLAG   651 - 652

PXINUSYR   2   ALLOCATION FLAG   653 - 654

PXRRP   2   ALLOCATION FLAG   655 - 656

PXPARENT   2   ALLOCATION FLAG   657 - 658

NAME	SIZE	DESCRIPTION	LOCATION
PXAGE	2	ALLOCATION FLAG	659 - 660
PXMARITL	2	ALLOCATION FLAG	661 - 662
PXSPOUSE	2	ALLOCATION FLAG	663 - 664
PXSEX	2	ALLOCATION FLAG	665 - 666
PXAFWHN1	2	ALLOCATION FLAG	667 - 668
PXAFNOW	2	ALLOCATION FLAG	669 - 670
PXEDUCA	2	ALLOCATION FLAG	671 - 672
PXRACE1	2	ALLOCATION FLAG	673 - 674
PXNATVTY	2	ALLOCATION FLAG	675 - 676
PXMNTVTY	2	ALLOCATION FLAG	677 - 678
PXFNTVTY	2	ALLOCATION FLAG	679 - 680
PXNMEMP1	2	ALLOCATION FLAG	681 - 682
PXHSPNON	2	ALLOCATION FLAG	683 - 684
PXMLR	2	ALLOCATION FLAG	685 - 686
PXRET1	2	ALLOCATION FLAG	687 - 688
PXABSRSN	2	ALLOCATION FLAG	689 - 690
PXABSPDO	2	ALLOCATION FLAG	691 - 692
PXMJOT	2	ALLOCATION FLAG	693 - 694
PXMJNUM	2	ALLOCATION FLAG	695 - 696
PXHRUSL1	2	ALLOCATION FLAG	697 - 698
PXHRUSL2	2	ALLOCATION FLAG	699 - 700
PXHRFTPT	2	ALLOCATION FLAG	701 - 702
PXHRUSLT	2	ALLOCATION FLAG	703 - 704

NAME	SIZE	DESCRIPTION	LOCATION
PXHRWANT	2	ALLOCATION FLAG	705 - 706
PXHRRSN1	2	ALLOCATION FLAG	707 - 708
PXHRRSN2	2	ALLOCATION FLAG	709 – 710
PXHRACT1	2	ALLOCATION FLAG	711 - 712
PXHRACT2	2	ALLOCATION FLAG	713 - 714
PXHRACTT	2	ALLOCATION FLAG	715 - 716
PXHRRSN3	2	ALLOCATION FLAG	717 - 718
PXHRAVL	2	ALLOCATION FLAG	719 - 720
PXLAYAVL	2	ALLOCATION FLAG	721 - 722
PXLAYLK	2	ALLOCATION FLAG	723 - 724
PXLAYDUR	2	ALLOCATION FLAG	725 - 726
PXLAYFTO	2	ALLOCATION FLAG	727 - 728
PXLKM1	2	ALLOCATION FLAG	729 - 730
PXLKAVL	2	ALLOCATION FLAG	731 - 732
PXLKLL1O	2	ALLOCATION FLAG	733 - 734
PXLKLL2O	2	ALLOCATION FLAG	735 - 736
PXLKLWO	2	ALLOCATION FLAG	737 - 738
PXLKDUR	2	ALLOCATION FLAG	739 - 740
PXLKFTO	2	ALLOCATION FLAG	741 - 742
PXDWWNTO	2	ALLOCATION FLAG	743 - 744
PXDWRSN	2	ALLOCATION FLAG	745 - 746
PXDWLKO	2	ALLOCATION FLAG	747 - 748
PXDWWK	2	ALLOCATION FLAG	749 - 750

NAME	SIZE	DESCRIPTION	LOCATION
PXDW4WK	2	ALLOCATION FLAG	751 - 752
PXDWLKWK	2	ALLOCATION FLAG	753 - 754
PXDWAVL	2	ALLOCATION FLAG	755 - 756
PXDWAVR	2	ALLOCATION FLAG	757 - 758
PXJHWKO	2	ALLOCATION FLAG	759 - 760
PXJHRSN	2	ALLOCATION FLAG	761 - 762
PXJHWANT	2	ALLOCATION FLAG	763 - 764
PXIO1COW	2	ALLOCATION FLAG	765 - 766
PXIO1ICD	2	ALLOCATION FLAG	767 - 768
PXIO1OCD	2	ALLOCATION FLAG	769 - 770
PXIO2COW	2	ALLOCATION FLAG	771 - 772
PXIO2ICD	2	ALLOCATION FLAG	773 - 774
PXIO2OCD	2	ALLOCATION FLAG	775 - 776
PXERNUOT	2	ALLOCATION FLAG	777 - 778
PXERNPER	2	ALLOCATION FLAG	779 - 780
PXERNH1O	2	ALLOCATION FLAG	781 - 782
PXERNHRO	2	ALLOCATION FLAG	783 - 784
PXERN	2	ALLOCATION FLAG	785 - 786
PXPDEMP2	2	ALLOCATION FLAG	787 - 788
PXNMEMP2	2	ALLOCATION FLAG	789 - 790
PXERNWKP	2	ALLOCATION FLAG	791 - 792
PXERNRT	2	ALLOCATION FLAG	793 - 794
PXERNHRY	2	ALLOCATION FLAG	795 – 796

NAME	SIZE	DESCRIPTION	LOCATION
PXERNH2	2	ALLOCATION FLAG	797 - 798
PXERNLAB	2	ALLOCATION FLAG	799 - 800
PXERNCOV	2	ALLOCATION FLAG	801 - 802
PXNLFJH	2	ALLOCATION FLAG	803 - 804
PXNLFRET	2	ALLOCATION FLAG	805 - 806
PXNLFACT	2	ALLOCATION FLAG	807 - 808
PXSCHENR	2	ALLOCATION FLAG	809 - 810
PXSCHFT	2	ALLOCATION FLAG	811 - 812
PXSCHLVL	2	ALLOCATION FLAG	813 - 814
QSTNUM	5	Unique household identifier. Valid only within any specific month.	815 - 819
OCCURNUM	2	Unique person identifier. Valid only within any specific month.	820 - 821
PEDIPGED	2	How did...get...'s high school diploma?	822 - 823

PEDIPGED

EDITED UNIVERSE = PEEDUCA = 39

VALID ENTRIES

1   Graduation from high school
2   GED or other equivalent

| PEHGCOMP | 2 | What was the highest grade of regular school...completed before receiving...'s GED? | 824 - 825 |

EDITED UNIVERSE = PEDIPGED = 2

VALID ENTRIES

1   Less than 1st grade
2   1st, 2nd, 3rd, or 4th grade
3   5th or 6th grade
4   7th or 8th grade
5   9th grade

6-80

NAME	SIZE	DESCRIPTION	LOCATION

6 10th grade
7 11th grade
8 12th grade (no diploma)

PECYC   2   How many years of college credit has...completed?   826 - 827

            EDITED UNIVERSE: PEEDUCA =40-42

            <u>VALID ENTRIES</u>

            1 Less than 1 year (includes 0 years completed)
            2 The first or Freshman year
            3 The second or Sophomore year
            4 The third or Junior year
            5 Four or more years

PADDING   6   828 - 833

PXDIPGED   2   ALLOCATION FLAG   834 - 835

PXHGCOMP   2   ALLOCATION FLAG   836 - 837

PXCYC   2   ALLOCATION FLAG   838 - 839

PADDING   6   840 - 845

PWCMPWGT   10 Composited Final Weight. Used to create   846 - 855
            BLS's published labor force statistics (4 implied
            decimal places)

            EDITED UNIVERSE: PRPERTYP = 2 AND
                         PRTAGE = 16+

PEIO1ICD   4   INDUSTRY CODE FOR PRIMARY JOB   856 - 859

            EDITED UNIVERSE: (PEMLR = 1-3)
               OR (PEMLR = 4 AND PELKLWO = 1-2)
               OR (PEMLR = 5 AND (PENLFJH = 1 OR
               PEJHWKO = 1))
               OR (PEMLR = 6 AND PENLFJH = 1)
               OR (PEMLR = 7 AND PEJHWKO=1)

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

0   MIN VALUE
9999   MAX VALUE

PEIO1OCD   4   OCCUPATION CODE FOR PRIMARY JOB.   860 - 863

EDITED UNIVERSE: (PEMLR = 1-3)
OR (PEMLR = 4 AND PELKLWO = 1-2)
OR (PEMLR = 5 AND (PENLFJH = 1 OR PEJHWKO = 1))
OR (PEMLR = 6 AND PENLFJH = 1)
OR (PEMLR = 7 AND PEJHWKO = 1)

VALID ENTRIES

0   MIN VALUE
9999   MAX VALUE

PEIO2ICD   4   INDUSTRY CODE FOR SECOND JOB.   864 - 867

EDITED UNIVERSE: PEMJOT = 1 AND HRMIS = 4 OR 8

VALID ENTRIES

0   MIN VALUE
9999   MAX VALUE

PEIO2OCD   4   OCCUPATION CODE FOR SECOND JOB.   868 - 871

EDITED UNIVERSE: PEMJOT = 1 AND HRMIS = 4 OR 8

VALID ENTRIES

0   MIN VALUE
9999   MAX VALUE

PRIMIND1   2   INTERMEDIATE INDUSTRY RECODE (JOB 1)   872 - 873

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

1   AGRICULTURE, FORESTRY, FISHING, and HUNTING
2   MINING
3   CONSTRUCTION

4   MANUFACTURING - DURABLE GOODS
5   MANUFACTURING - NON-DURABLE GOODS
6   WHOLESALE TRADE
7   RETAIL TRADE
8   TRANSPORTATION AND WAREHOUSING
9   UTILITIES
10 INFORMATION
11 FINANCE AND INSURANCE
12 REAL ESTATE AND RENTAL AND LEASING
13 PROFESSIONAL AND TECHNICAL SERVICES
14 MANAGEMENT, ADMINISTRATIVE AND WASTE
     MANAGEMENT SERVICES
15 EDUCATIONAL SERVICES
16 HEALTH CARE AND SOCIAL SERVICES
17 ARTS, ENTERTAINMENT, AND RECREATION
18 ACCOMMODATION AND FOOD SERVICES
19 PRIVATE HOUSEHOLDS
20 OTHER SERVICES, EXCEPT PRIVATE HOUSEHOLDS
21 PUBLIC ADMINISTRATION
22 ARMED FORCES

PRIMIND2   2   INTERMEDIATE INDUSTRY RECODE (JOB 2)   874 - 875

EDITED UNIVERSE: PRIOELG = 1 AND PEMJOT = 1 AND HRMIS = 4 OR 8

VALID ENTRIES

1   AGRICULTURE, FORESTRY, FISHING, and HUNTING
2   MINING
3   CONSTRUCTION
4   MANUFACTURING - DURABLE GOODS
5   MANUFACTURING - NON-DURABLE GOODS
6   WHOLESALE TRADE
7   RETAIL TRADE
8   TRANSPORTATION AND WAREHOUSING
9   UTILITIES
10 INFORMATION
11 FINANCE AND INSURANCE
12 REAL ESTATE AND RENTAL AND LEASING
13 PROFESSIONAL AND TECHNICAL SERVICES
14 MANAGEMENT, ADMINISTRATIVE AND WASTE
MANAGEMENT SERVICES
15 EDUCATIONAL SERVICES
16 HEALTH CARE AND SOCIAL SERVICES

		17 ARTS, ENTERTAINMENT, AND RECREATION	
		18 ACCOMMODATION AND FOOD SERVICES	
		19 PRIVATE HOUSEHOLDS	
		20 OTHER SERVICES, EXCEPT PRIVATE HOUSEHOLDS	
		21 PUBLIC ADMINISTRATION	
		22 ARMED FORCES	

PEAFWHN1   2   WHEN DID YOU SERVE?   876 - 877

EDITED UNIVERSE: PEAFEVER = 1

VALID ENTRIES

1   SEPTEMBER 2001 OR LATER
2   AUGUST 1990 TO AUGUST 2001
3   MAY 1975 TO JULY 1990
4   VIETNAM ERA (AUGUST 1964 TO APRIL 1975)
5   FEBRUARY 1955 TO JULY 1964
6   KOREAN WAR (JULY 1950 TO JANUARY 1955)
7   JANUARY 1947 TO JUNE 1950
8   WORLD WAR II (DECEMBER 1941 TO DECEMBER 1946)
9   NOVEMBER 1941 OR EARLIER

PEAFWHN2   2   WHEN DID YOU SERVE?   878 - 879

EDITED UNIVERSE: PEAFEVER = 1

VALID ENTRIES

1   SEPTEMBER 2001 OR LATER
2   AUGUST 1990 TO AUGUST 2001
3   MAY 1975 TO JULY 1990
4   VIETNAM ERA (AUGUST 1964 TO APRIL 1975)
5   FEBRUARY 1955 TO JULY 1964
6   KOREAN WAR (JULY 1950 TO JANUARY 1955)
7   JANUARY 1947 TO JUNE 1950
8   WORLD WAR II (DECEMBER 1941 TO DECEMBER 1946)
9   NOVEMBER 1941 OR EARLIER

PEAFWHN3   2   WHEN DID YOU SERVE?   880 - 881

EDITED UNIVERSE: PEAFEVER = 1

NAME	SIZE	DESCRIPTION	LOCATION

VALID ENTRIES

1   SEPTEMBER 2001 OR LATER
2   AUGUST 1990 TO AUGUST 2001
3   MAY 1975 TO JULY 1990
4   VIETNAM ERA (AUGUST 1964 TO APRIL 1975)
5   FEBRUARY 1955 TO JULY 1964
6   KOREAN WAR (JULY 1950 TO JANUARY 1955)
7   JANUARY 1947 TO JUNE 1950
8   WORLD WAR II (DECEMBER 1941 TO DECEMBER 1946)
9   NOVEMBER 1941 OR EARLIER

PEAFWHN4   2   WHEN DID YOU SERVE?   882 - 883

EDITED UNIVERSE: PEAFEVER = 1

VALID ENTRIES

1   SEPTEMBER 2001 OR LATER
2   AUGUST 1990 TO AUGUST 2001
3   MAY 1975 TO JULY 1990
4   VIETNAM ERA (AUGUST 1964 TO APRIL 1975)
5   FEBRUARY 1955 TO JULY 1964
6   KOREAN WAR (JULY 1950 TO JANUARY 1955)
7   JANUARY 1947 TO JUNE 1950
8   WORLD WAR II (DECEMBER 1941 TO DECEMBER 1946)
9   NOVEMBER 1941 OR EARLIER

PXAFEVER   2   ALLOCATION FLAG   884 - 885

PELNDAD   2   LINE NUMBER OF FATHER   886 - 887

EDITED UNIVERSE: ALL

VALID ENTRIES

-1   NO FATHER PRESENT
01   MIN VALUE
16   MAX VALUE

NAME	SIZE	DESCRIPTION	LOCATION

PELNMOM   2   LINE NUMBER OF MOTHER   888 - 889

          EDITED UNIVERSE: ALL

          VALID ENTRIES

          -1   NO MOTHER PRESENT
          01   MIN VALUE
          16   MAX VALUE

PEDADTYP   2   TYPE OF FATHER   890 – 891

          EDITED UNVERSE: ALL

          -1   NO FATHER PRESENT
          01   BIOLOGICAL
          02 STEP
          03 ADOPTED

PEMOMTYP   2   TYPE OF MOTHER   892 - 893

          EDITED UNVERSE: ALL

          -1   NO MOTHER PRESENT
          01   BIOLOGICAL
          02 STEP
          03 ADOPTED

PECOHAB   2   LINE NUMBER OF COHABITING PARTNER   894 - 895

          EDITED UNIVERSE: ALL

          VALID ENTRIES

          -1   NO PARTNER PRESENT
          01   MIN VALUE
          16   MAX VALUE

PXLNDAD   2   ALLOCATION FLAG   896 - 897

PXLNMOM   2   ALLOCATION FLAG   898 - 899

NAME	SIZE	DESCRIPTION	LOCATION
PXDADTYP	2	ALLOCATION FLAG	900 - 901
PXMOMTYP	2	ALLOCATION FLAG	902 - 903
PXCOHAB	2	ALLOCATION FLAG	904 – 905
PEDISEAR	2	IS…DEAF OR DOES…HAVE SERIOUS DIFFICULTY HEARING?	906 - 907

EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1   Yes
2   No

| PEDISEYE | 2 | IS…BLIND OR DOES…HAVE SERIOUS DIFFICULTY SEEING EVEN WHEN WEARING GLASSES? | 908 - 909 |

EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1   Yes
2   No

| PEDISREM | 2 | BECAUSE OF A PHYSICAL, MENTAL, OR EMOTIONAL CONDITION, DOES…HAVE SERIOUS DIFFICULTY CONCENTRATING, REMEMBERING, OR MAKING DECISIONS? | 910 - 911 |

EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1   Yes
2   No

| PEDISPHY | 2 | DOES…HAVE SERIOUS DIFFICULTY WALKING OR CLIMBING STAIRS? | 912 - 913 |

NAME	SIZE	DESCRIPTION	LOCATION

EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1   Yes
2   No

PEDISDRS	2	DOES … HAVE DIFFICULTY DRESSING OR BATHING?	914 - 915

EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1   Yes
2   No

PEDISOUT	2	BECAUSE OF A PHYSICAL, MENTAL, OR EMOTIONAL CONDITION DOES…HAVE DIFFICULTY DOING ERRANDS ALONE SUCH AS VISITING A DOCTOR'S OFFICE OR SHOPPING?	916 - 917

EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1   Yes
2   No

PRDISFLG	2	DOES THIS PERSON HAVE ANY OF THESE DISABILITY CONDITIONS?	918 - 919

EDITED UNIVERSE: PEDISEAR OR
PEDISEYE OR PEDISREM, PEDISPHY OR
PEDISDRS OR PEDISOUT = 1

VALID ENTRIES:

1   Yes
2   No

NAME	SIZE	DESCRIPTION	LOCATION
PXDISEAR	2	ALLOCATION FLAG	920 – 921
PXDISEYE	2	ALLOCATION FLAG	922 – 923
PXDISREM	2	ALLOCATION FLAG	924 - 925
PXDISPHY	2	ALLOCATION FLAG	926 - 927
PXDISDRS	2	ALLOCATION FLAG	928 - 929
PXDISOUT	2	ALLOCATION FLAG	930 - 931
HXFAMINC	2	ALLOCATION FLAG	932 - 933
PRDASIAN	2	DETAILED ASIAN RACE RECODE	934 – 935

       EDITED UNIVERSE: PTDTRACE = 4

       <u>VALID ENTRIES</u>

       1 = Asian Indian
       2 = Chinese
       3 = Filipino
       4 = Japanese
       5 = Korean
       6 = Vietnamese
       7 = Other

| PEPDEMP1 | 2 | DOES THIS PERSON USUALLY HAVE ANY PAID EMPLOYEES? | 936 - 937 |

       See location 637-638 for the allocation flag.

       EDITED UNIVERSE: HRMIS = 3 or 4 and
       PEIO1COW = 6 or 7

       <u>VALID ENTRIES</u>

       1   YES
       2   NO

NAME	SIZE	DESCRIPTION	LOCATION

PTNMEMP1   2   EXCLUDING ALL OWNERS, HOW MANY   938-939
PAID EMPLOYEES DOES THIS PERSON
USUALLY HAVE?
See location 681-682 for the allocation flag.
EDITED UNIVERSE: PEPDEMP1 = 1

VALID ENTRIES

01-74   Number of employees
75   75 or more employees
Note that this item is topcoded at 75 employees.

PEPDEMP2   2   DOES THIS PERSON USUALLY HAVE ANY   940 - 941
PAID EMPLOYEES?

See location 787-788 for the allocation flag.

EDITED UNIVERSE: HRMIS = 3 or 4 and
PEIO1COW = 6 or 7

VALID ENTRIES

1   YES
2   NO

PTNMEMP2   2   EXCLUDING ALL OWNERS, HOW MANY   942 - 943
PAID EMPLOYEES DOES THIS PERSON
USUALLY HAVE?

See location 789-790 for the allocation flag.

EDITED UNIVERSE: PEPDEMP1 = 1

VALID ENTRIES

01-09   Number of employees
10   10 or more employees
Note that this item is topcoded at 10 employees.

PECERT1   2   DOES … HAVE A <u>CURRENTLY</u>   944-945
<u>ACTIVE</u> PROFESSIONAL CERTIFICATION
OR A STATE OR INDUSTRY LICENSE?

NAME	SIZE	DESCRIPTION	LOCATION

DO NOT INCLUDE BUSINESS LICENSES, SUCH AS A LIQUOR LICENSE OR VENDING LICENSE.

EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1   Yes
2   No

PECERT2   2   WERE ANY OF …'S CERTIFICATIONS OR LICENSES ISSUED BY THE FEDERAL, STATE, OR LOCAL GOVERNMENT?   946-947

EDITED UNIVERSE: PECERT1 = 1

VALID ENTRIES

1   Yes
2   No

PECERT3   2   EARLIER YOU TOLD ME THAT YOU HAD A CURRENTLY ACTIVE PROFESSIONAL CERTIFICATION OR LICENSE. IS YOUR CERTIFICATION OR LICENSE REQUIRED FOR YOUR …   948-949

a) JOB?
b) MAIN JOB?
c) JOB FROM WHICH YOU ARE OF LAYOFF?
d) JOB AT WHICH YOU LAST WORKED?

EDITED UNIVERSE: PECERT2 = 1

VALID ENTRIES

1   Yes
2   No

PXCERT1   2   ALLOCATION FLAG   950-951

NAME	SIZE	DESCRIPTION	LOCATION
PXCERT2	2	ALLOCATION FLAG	952-953
PXCERT3	2	ALLOCATION FLAG	954-955
FILLER	45	FILLER	956 - 1000

End of Basic CPS Portion of the Record

SUPPLEMENT RECORD LAYOUT
Current Population Survey
May 2019 CPS Tobacco Use Supplement

NAME	SIZE	DESCRIPTION	LOCATION
PENXTPR	2	Line number of person being interviewed.	1001-1002

VALID ENTRIES:
 -9 No Response
 -3 Refused
 -2 Don't Know
 -1 Not in Universe
 1:16 Person's Line Number

| PENXTPR3 | 2 | Do Not Ask: Interviewer Check Item | 1003-1004 |

(Only take a proxy if this is the 4th callback for the self-respondent
or the person will not return before closeout).

Is this a Self or Proxy response?

VALID ENTRIES:
 -1 Not in Universe
 1 Self
 2 Proxy

| PEA1 | 2 | (Have/Has)(you/name) smoked at least 100 cigarettes | 1005-1006 |

in (your/his/her) entire life?
100 cigarettes = approximately 5 packs

VALID ENTRIES:
 -9 No Response
 -3 Refused
 -2 Don't Know
 -1 Not in Universe
 1 Yes
 2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEA2   3   How old (were/was)(you/name) when (you/he/she)   1007-1009
first started smoking cigarettes FAIRLY REGULARLY?
FR: Fairly Regularly or Regularly refers to age when started
smoking cigarettes on a routine basis as opposed to age when
tried first cigarette.

Enter 0 if never smoked regularly
Enter age (1 to Age)

VALID ENTRIES:
  -9 No Response
  -5 Never smoked regularly
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1:99

PEA2A   3   You said that (you/name) never smoked regularly. How old   1010-1012
(were/was)(you/name) the first time (you/he/she) smoked part
or all of a cigarette?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1:99

PEA3   2   (Do/Does)(you/name) now smoke cigarettes every day,   1013-1014
some days, or not at all?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Every_day
   2 Some_days
   3 Not_at_all

NAME	SIZE	DESCRIPTION	LOCATION

PTB1[i]   3   On the average, about how many cigarettes do you now   1015-1017
                    smoke each day?
                    FR: One pack usually equals 20 cigarettes. If converting
                    packs to cigarettes, always verify calculation with respondent.

                    Enter number of cigarettes per day: (1-99)

                    VALID ENTRIES:
                      -9 No Response
                      -3 Refused
                      -2 Don't Know
                      -1 Not in Universe
                       1-99

PEB1A   2   Would you say that, on average, you now smoke more or   1018-1019
                    less than 20 cigarettes each day?

                    VALID ENTRIES:
                      -9 No Response
                      -3 Refused
                      -2 Don't Know
                      -1 Not in Universe
                       1 More
                       2 Less
                       3 About 20 (One Pack)

PEB2   2   Do you usually smoke menthol or non-menthol cigarettes?   1020-1021

                    VALID ENTRIES:
                      -9 No Response
                      -3 Refused
                      -2 Don't Know
                      -1 Not in Universe
                       1 Menthol
                       2 Non menthol
                       3 No Usual Type

PEB5ANUM   2   How soon after you wake up do you typically smoke your   1022-1023
                    first cigarette of the day?
                    FR: If necessary, ask for best answer in minutes or hours. Enter (0)
                    if respondent insists it varies.

                    Enter Number: (0-90)

                    VALID ENTRIES:
                      -9 No Response
                      -5 Varies
                      -3 Refused
                      -2 Don't Know
                      -1 Not in Universe
                       1-90

NAME	SIZE	DESCRIPTION	LOCATION

PEB5AUNT   2   Enter unit reported (minutes or hours)   1024-1025

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
  1 Minutes
  2 Hours

PEB5B   2   Would you say you smoke your first cigarette of the day   1026-1027
within the first 30 minutes?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
  1 Yes
  2 No
  3 Varies

PEBA6A   2   Do you USUALLY BUY your own cigarettes?   1028-1029

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
  1 Yes
  2 No

PEB6A   2   Do you USUALLY buy your cigarettes by the pack or by the carton?   1030-1031
FR: A carton has 10 packs.

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
  1 Pack
  2 Carton
  3 Buy Both Packs and Cartons

NAME	SIZE	DESCRIPTION	LOCATION
PTB6B[i]	5	What price did you pay for the LAST PACK of cigarettes you bought? Please report the cost after using discounts or coupons. VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 00000:99999: Dollars (2 implied decimal places)	1032-1036
PTB6C[i]	6	What price did you pay for the LAST CARTON of cigarettes you bought? Please report the cost after using discounts or coupons. VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 000000:099999: Dollars (2 implied decimal places)	1037-1042
PEB6C4	2	Did you use coupons, rebates, or any other special promotions when you bought your LAST (fill appropriate term here from B6a responses…=1 or 3 or D or R, fill "PACK"; =2, fill "CARTON") of cigarettes? VALID ENTRIES: -9 No Response -3 Refused -2 Don't Know -1 Not in Universe 1 Yes 2 No	1043-1044
PEB6D1	2	Did you buy your LAST (fill appropriate term here from B6a responses…=1 or 3 or D or R, fill "PACK"; =2, fill "CARTON") of cigarettes in state of residence or in some other state? VALID ENTRIES: -9 No Response -5 Bought Some Other Way (Internet, Other Country, Indian Reservation) -3 Refused -2 Don't Know -1 Not in Universe 1 In Respondent's State of Residence 2 In Some Other State (Including DC)	1045-1046

NAME	SIZE	DESCRIPTION	LOCATION
PEB6D21	2	In what other state did you buy your LAST (fill appropriate term here from B6a responses …= 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes?	1047-1048

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't Know
-1 Not in Universe
01 Alabama
02 Alaska
04 Arizona
05 Arkansas
06 California
08 Colorado
09 Connecticut
10 Delaware
11 District of Columbia
12 Florida
13 Georgia
15 Hawaii
16 Idaho
17 Illinois
18 Indiana
19 Iowa
20 Kansas
21 Kentucky
22 Louisiana
23 Maine
24 Maryland
25 Massachusetts
26 Michigan
27 Minnesota
28 Mississippi
29 Missouri
30 Montana
31 Nebraska
32 Nevada
33 New Hampshire
34 New Jersey
35 New Mexico
36 New York
37 North Carolina
38 North Dakota
39 Ohio
40 Oklahoma
41 Oregon
42 Pennsylvania
44 Rhode Island
45 South Carolina
46 South Dakota
47 Tennessee

48 Texas
49 Utah
50 Vermont
51 Virginia
53 Washington
54 West Virginia
55 Wisconsin
56 Wyoming
57 United States (state unknown)
88 Not in the U.S.

| PEB6D3 | 2 | Did you buy your LAST (fill appropriate term here from B6a responses…= 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes from an Indian reservation? | 1049-1050 |

VALID ENTRIES:
 -9 No Response
 -3 Refused
 -2 Don't Know
 -1 Not in Universe
  1 Yes
  2 No

| PEB6DOTH | 2 | Was the Other Way in which you purchased your LAST (fill appropriate term here from B6a responses …= 1, 3, D or R, fill "PACK"; = 2 fill "CARTON") of cigarettes: | 1051-1052 |

FR: READ the FIRST THREE CHOICES
(1) In a foreign country or a duty-free shop
(2) From an Indian reservation OR
(3) By mail-order, phone or internet
(4) SOME OTHER WAY (NOT READ)

VALID ENTRIES:
 -9 No Response
 -3 Refused
 -2 Don't Know
 -1 Not in Universe
  1 Foreign country
  2 Indian reservation
  3 Mail order phone
  4 Other way

NAME	SIZE	DESCRIPTION	LOCATION

PEB6E1   2   In the LAST 2 months, have you bought any SINGLE or   1053-1054
INDIVIDUAL cigarettes?
FR: Respondent may refer to it as a "loosie" or "loose out of the pack"

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

PEB6E31   2   Did you buy your LAST SINGLE or INDIVIDUAL cigarette in   1055-1056
state of residence or in some other state or other country?

VALID ENTRIES:
  -9 No Response
  -5 Bouth some other way (internet, etc.)
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 In respondent's state of residence
   2 In some other state (including DC)
   3 In another country

PRB6E32A   3   In what OTHER state or country did you buy your last SINGLE 1057-1059
or individual cigarette?

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't know
  -1 Not in universe
  001 Alabama
  002 Alaska
  04 Arizona
  05 Arkansas
  06 California
  08 Colorado
  09 Connecticut
  10 Delaware
  11 District of Columbia
  012 Florida
  013 Georgia
  15 Hawaii
  16 Idaho
  17 Illinois
  18 Indiana
  19 Iowa
  20 Kansas
  21 Kentucky

022 Louisiana
023 Maine
024 Maryland
025 Massachusetts
026 Michigan
027 Minnesota
028 Mississippi
029 Missouri
030 Montana
031 Nebraska
032 Nevada
033 New Hampshire
034 New Jersey
035 New Mexico
036 New York
037 North Carolina
038 North Dakota
039 Ohio
040 Oklahoma
041 Oregon
042 Pennsylvania
044 Rhode Island
045 South Carolina
046 South Dakota
047 Tennessee
048 Texas
049 Utah
050 Vermont
051 Virginia
053 Washington
054 West Virginia
055 Wisconsin
056 Wyoming
057 United States (state unknown)
066 Guam
073 Puerto Rico
078 U. S. Virgin Islands
096 Other U. S. Island Areas
100 Albania
102 Austria
103 Belgium
104 Bulgaria
105 Czechoslovakia
106 Denmark
108 Finland
109 France
110 Germany
116 Greece
117 Hungary
119 Ireland
120 Italy
126 Netherlands

127 Norway
128 Poland
129 Portugal
130 Azores
132 Romania
134 Spain
136 Sweden
137 Switzerland
138 United Kingdom
139 England
140 Scotland
141 Wales
142 Northern Ireland
147 Yugoslavia
148 Czech Republic
149 Slovakia
150 Bosnia & Herzegovina
151 Croatia
152 Macedonia
154 Serbia
156 Latvia
157 Lithuania
158 Armenia
159 Azerbaijan
160 Belarus
161 Georgia
162 Moldova
163 Russia
164 Ukraine
165 USSR
166 Europe, not specified
167 Kosovo
200 Afghanistan
202 Bangladesh
205 Myanmar (Burma)
206 Cambodia
207 China
208 Cyprus
209 Hong Kong
210 India
211 Indonesia
212 Iran
213 Iraq
214 Israel
215 Japan
216 Jordan
217 Korea
220 South Korea
222 Kuwait
223 Laos
224 Lebanon
226 Malaysia

229 Nepal
231 Pakistan
233 Philippines
235 Saudi Arabia
236 Singapore
238 Sri Lanka
239 Syria
240 Taiwan
242 Thailand
243 Turkey
246 Uzbekistan
247 Vietnam
248 Yemen
249 Asia, not specified
300 Bermuda
301 Canada
303 Mexico
310 Belize
311 Costa Rica
312 El Salvador
313 Guatemala
314 Honduras
315 Nicaragua
316 Panama
321 Antigua and Barbuda
323 Bahamas
324 Barbados
327 Cuba
328 Dominica
329 Dominican Republic
330 Grenada
332 Haiti
333 Jamaica
338 St. Kitts--Nevis
339 St. Lucia
340 St. Vincent and the Grenadines
341 Trinidad and Tobago
343 West Indies, not specified
360 Argentina
361 Bolivia
362 Brazil
363 Chile
364 Columbia
365 Ecuador
368 Guyana
369 Paraguay
370 Peru
372 Uruguay
373 Venezuela
374 South America, not specified
399 Americas, not specified
400 Algeria

407 Cameroon
408 Cape Verde
414 Egypt
416 Ethiopia
417 Eritrea
421 Ghana
427 Kenya
429 Liberia
436 Morocco
440 Nigeria
444 Senegal
447 Sierra Leone
448 Somalia
449 South Africa
451 Sudan
453 Tanzania
457 Uganda
461 Zimbabwe
462 Africa, not specified
501 Australia
508 Fiji
515 New Zealand
523 Tonga
527 Samoa
528 Oceania, not specified
555 Elsewhere

PEB6E4   2   In the LAST 2 months, have you bought loose tobacco to   1060-1061
                       roll-your-own cigarettes?

                       VALID ENTRIES:
                        -9 No Response
                        -3 Refused
                        -2 Don't know
                        -1 Not in Universe
                         1 Yes
                         2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEB7C   2   For how long have you smoked EVERY DAY?   1062-1063

FR: Read choices 1-4
(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, OR
(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 All or nearly all the years you have smoked
   2 Most of the years you have smoked
   3 Half of the years you have smoked
   4 Less than half the years you have smoked
   5 Less than one year

PEB7C2   2   Have you EVER smoked MENTHOL cigarettes   1064-1065
for 6 months or more?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

PEB7C3   2   For how long (have you smoked/did you smoke) MENTHOL   1066-1067
cigarettes?

FR: READ CHOICES 1-4
(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) half of the years you have smoked, OR
(4) Less than half the years you have smoked.
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 All or nearly all the years you have smoked
   2 Most of the years you have smoked
   3 Half of the years you have smoked
   4 Less than half the years you have smoked
   5 Less than one year

NAME	SIZE	DESCRIPTION	LOCATION

PEB8   2   Around this time 12 MONTHS AGO, were you smoking   1068-1069
cigarettes every day, some days, or not at all?

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1 Every day
2 Some days
3 Not at all

PTB9[i]   3   Around this time 12 MONTHS AGO, on the average, about how   1070-1072
many cigarettes did you smoke each day?
FR: One pack usually equals 20 cigarettes. If converting packs to
cigarettes, always verify calculation with respondent.

Enter number of cigarettes per day (1-99).

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1:99 Number of Cigarettes

PEB10A   2   Around this time 12 MONTHS AGO, on how many of the 30   1073-1074
days in the month did you smoke cigarettes?
FR: Enter 0 for none.

Range 0-30

VALID ENTRIES:
-9 No Response
-5 None
-3 Refused
-2 Don't know
-1 Not in Universe
1-30 Number of Days

PTB10B[i]   3   On the average, on those (Fill entry B10a) days, how   1075-1077
many cigarettes did you usually smoke each day?
FR: We are still talking about around this time 12 months ago

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1:99 Number of Cigarettes

NAME	SIZE	DESCRIPTION	LOCATION

PEC1   2

On how many of the past 30 days did you smoke cigarettes?   1078-1079
FR: Enter (0) for none.

VALID ENTRIES:
  -9 No Response
  -5 None
  -3 Refused
  -2 Don't know
  -1 Not in Universe
  1:30 Number of Days

PEC1I   2

Would you say you smoked on AT LEAST 12 DAYS in the   1080-1081
past 30 days?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
  1 Yes
  2 No

PTC1A[i]   3

On the average, on those (fill entry C1) days, how many   1082-1084
cigarettes did you usually smoke each day?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
  0:99 Number of cigarettes

PEC2   2

Do you usually smoke menthol or non-menthol cigarettes?   1085-1086

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
  1 Menthol
  2 Non menthol
  3 No Usual Type

NAME	SIZE	DESCRIPTION	LOCATION

PEC5ANUM   2   On the days that you smoke, how soon after you wake   1087-1088
up do you typically smoke your first cigarette of the day?
FR: IF necessary, ask for best answer in minutes or hours.
Enter 0 if respondent insists it varies

Enter Number: (0-99)

VALID ENTRIES:
  -9 No Response
  -5 Varies
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1-90 Number

PEC5AUNT   2   Enter minutes or hours   1089-1090

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Minutes
   2 Hours

PEC5B   2   On the days that you smoke, would you say you smoke   1091-1092
your first cigarette of the day within the first 30 minutes?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No
   3 Varies

PECA6A   2   Do you USUALLY buy your own cigarettes?   1093-1094

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEC6A   2   Do you usually buy your cigarettes by the pack or by the carton?   1095-1096
FR: A carton has 10 packs

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Pack
   2 Carton
   3 Buy Both Packs and Cartons

PTC6B[i]   5   What price did you pay for the LAST PACK of cigarettes you   1097-1101
bought? Please report the cost after using discounts or coupons.
FR: Price Per Pack

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
  00000:99999: Dollars (2 implied decimal places)

PTC6C[i]   6   What price did you pay for the LAST CARTON of cigarettes you   1102-1107
bought? Please report the cost after using discounts or coupons.
FR: Price Per Carton

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
  000000:999999: Dollars (2 implied decimal places)

PEC6C4   2   Did you use coupons, rebates, or any other special promotions   1108-1109
when you bought your LAST LAST (pack/carton) of cigarettes?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

NAME	SIZE	DESCRIPTION	LOCATION
PEC6D1	2	Did you buy your LAST (pack/carton) of cigarettes in (fill respondent's state of residence] or in some other state?	1110-1111

VALID ENTRIES:
-9 No Response
-5 Bought Some Other Way (Internet, Other Country, Indian
    Reservation)
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 In Respondent's State of Residence
 2 In Some Other State (Including DC)

| PEC6D21 | 2 | In what other state did you buy your LAST (pack/carton) of cigarettes? | 1112-1113 |

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't Know
-1 Not in Universe
01 Alabama
02 Alaska
04 Arizona
05 Arkansas
06 California
08 Colorado
09 Connecticut
10 Delaware
11 District of Columbia
12 Florida
13 Georgia
15 Hawaii
16 Idaho
17 Illinois
18 Indiana
19 Iowa
20 Kansas
21 Kentucky
22 Louisiana
23 Maine
24 Maryland
25 Massachusetts
26 Michigan
27 Minnesota
28 Mississippi
29 Missouri
30 Montana
31 Nebraska
32 Nevada
33 New Hampshire
34 New Jersey

35 New Mexico
36 New York
37 North Carolina
38 North Dakota
39 Ohio
40 Oklahoma
41 Oregon
42 Pennsylvania
44 Rhode Island
45 South Carolina
46 South Dakota
47 Tennessee
48 Texas
49 Utah
50 Vermont
51 Virginia
53 Washington
54 West Virginia
55 Wisconsin
56 Wyoming
57 United States (state unknown)
88 Not in the U.S.

PEC6D3	2	Did you buy your LAST (pack/carton) of cigarettes from an Indian reservation?	1114-1115

VALID ENTRIES:
 -9 No Response
 -3 Refused
 -2 Don't Know
 -1 Not in Universe
  1 Yes
  2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEC6DOTH   Was the "Other Way" in which you purchased your LAST   1116-1117
(pack/carton) of cigarettes…

FR: READ THE FIRST THREE CHOICES
(1) In a foreign country or a duty-free shop
(2) From an Indian reservation or
(3) By mail-order, phone or internet
(4) SOME OTHER WAY (NOT READ)

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 In a foreign country or a duty-free shop
   2 From an Indian reservation
   3 By mail-order, phone or internet
   4 Some other way

PEC6E1   2   In the LAST 2 months, have you bought any SINGLE or   1118-1119
INDIVIDUAL cigarettes?
FR: Respondent may refer to it as a "loosie" or "loose out of the pack"

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes, bought
   2 No, did not buy

PEC6E31   2   Did you buy your LAST SINGLE or INDIVIDUAL cigarette in   1120-1121
(fill respondent's state of residence) or in some other state or other
country?

VALID ENTRIES:
  -9 No Response
  -5 Bouth some other way (Internet, etc.)
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 In respondent's state of residence
   2 In some other state (including DC)
   3 In another country

NAME	SIZE	DESCRIPTION	LOCATION
PRC6E32A	3	In what OTHER state or other country did you buy your LAST SINGLE OR INDIVIDUAL cigarette?	1122-1124

VALID ENTRIES:
 -9 No response
 -3 Refused
 -2 Don't know
 -1 Not in universe
 001 Alabama
 002 Alaska
 04   Arizona
 05   Arkansas
 06   California
 08   Colorado
 09   Connecticut
 10   Delaware
 11   District of Columbia
 012 Florida
 013 Georgia
 15   Hawaii
 16   Idaho
 17   Illinois
 18   Indiana
 19   Iowa
 20   Kansas
 21   Kentucky
 22   Louisiana
 23   Maine
 24   Maryland
 25   Massachusetts
 26   Michigan
 27   Minnesota
 28   Mississippi
 29   Missouri
 30   Montana
 31   Nebraska
 32   Nevada
 33   New Hampshire
 34   New Jersey
 35   New Mexico
 36   New York
 37   North Carolina
 38   North Dakota
 39   Ohio
 40   Oklahoma
 41   Oregon
 42   Pennsylvania
 44   Rhode Island
 45   South Carolina
 46   South Dakota
 47   Tennessee
 48   Texas

049 Utah
050 Vermont
051 Virginia
053 Washington
054 West Virginia
055 Wisconsin
056 Wyoming
057 United States (state unknown)
066 Guam
073 Puerto Rico
078 U. S. Virgin Islands
096 Other U. S. Island Areas
100 Albania
102 Austria
103 Belgium
104 Bulgaria
105 Czechoslovakia
106 Denmark
108 Finland
109 France
110 Germany
116 Greece
117 Hungary
119 Ireland
120 Italy
126 Netherlands
127 Norway
128 Poland
129 Portugal
130 Azores
132 Romania
134 Spain
136 Sweden
137 Switzerland
138 United Kingdom
139 England
140 Scotland
141 Wales
142 Northern Ireland
147 Yugoslavia
148 Czech Republic
149 Slovakia
150 Bosnia & Herzegovina
151 Croatia
152 Macedonia
154 Serbia
156 Latvia
157 Lithuania
158 Armenia
159 Azerbaijan
160 Belarus
161 Georgia

162 Moldova
163 Russia
164 Ukraine
165 USSR
166 Europe, not specified
167 Kosovo
200 Afghanistan
202 Bangladesh
205 Myanmar (Burma)
206 Cambodia
207 China
208 Cyprus
209 Hong Kong
210 India
211 Indonesia
212 Iran
213 Iraq
214 Israel
215 Japan
216 Jordan
217 Korea
220 South Korea
222 Kuwait
223 Laos
224 Lebanon
226 Malaysia
229 Nepal
231 Pakistan
233 Philippines
235 Saudi Arabia
236 Singapore
238 Sri Lanka
239 Syria
240 Taiwan
242 Thailand
243 Turkey
246 Uzbekistan
247 Vietnam
248 Yemen
249 Asia, not specified
300 Bermuda
301 Canada
303 Mexico
310 Belize
311 Costa Rica
312 El Salvador
313 Guatemala
314 Honduras
315 Nicaragua
316 Panama
321 Antigua and Barbuda
323 Bahamas

324 Barbados
327 Cuba
328 Dominica
329 Dominican Republic
330 Grenada
332 Haiti
333 Jamaica
338 St. Kitts--Nevis
339 St. Lucia
340 St. Vincent and the Grenadines
341 Trinidad and Tobago
343 West Indies, not specified
360 Argentina
361 Bolivia
362 Brazil
363 Chile
364 Columbia
365 Ecuador
368 Guyana
369 Paraguay
370 Peru
372 Uruguay
373 Venezuela
374 South America, not specified
399 Americas, not specified
400 Algeria
407 Cameroon
408 Cape Verde
414 Egypt
416 Ethiopia
417 Eritrea
421 Ghana
427 Kenya
429 Liberia
436 Morocco
440 Nigeria
444 Senegal
447 Sierra Leone
448 Somalia
449 South Africa
451 Sudan
453 Tanzania
457 Uganda
461 Zimbabwe
462 Africa, not specified
501 Australia
508 Fiji
515 New Zealand
523 Tonga
527 Samoa
528 Oceania, not specified
555 Elsewhere

NAME	SIZE	DESCRIPTION	LOCATION

PEC6E4   2   In the LAST 2 months, have you bought loose tobacco to   1125-1126
roll-your-own cigarettes?

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Yes
 2 No

PEC7A   2   Have you EVER smoked cigarettes EVERY DAY for at   1127-1128
least 6 months?

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Yes
 2 No

PEC7D   2   For how long did you smoke EVERY DAY?   1129-1130

FR: Read Choices 1-4
(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, OR
(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
 1 All or nearly all the years you have smoked
 2 Most of the years you have smoked
 3 Half of the years you have smoked
 4 Less than half the years you have smoked
 5 Less than one year

PEC7D2   2   Have you EVER smoked MENTHOL cigarettes for 6 months or   1131-1132
more?

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
 1 Yes

2 No

PEC7D3   For how long (have you smoked/did you smoke) MENTHOL   1133-1134
cigarettes?

FR: READ CHOICES 1-4
(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, OR
(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

VALID ENTRIES:
 -9 No Response
 -3 Refused
 -2 Don't know
 -1 Not in Universe
  1 All or nearly all the years you have smoked
  2 Most of the years you have smoked
  3 Half of the years you have smoked
  4 Less than half the years you have smoked.
  5 Less than one year

PTC7E[i]   2   When you last smoked every day, on average how many   1135-1136
cigarettes did you smoke each day?
FR: Enter number of cigarettes each day (1-99)

VALID ENTRIES:
 -9 No Response
 -3 Refused
 -2 Don't know
 -1 Not in Universe
  1:99: Number of Cigarettes

PEC8   2   Around this time 12 MONTHS AGO, were you smoking   1137-1138
cigarettes every day, some days, or not at all?

VALID ENTRIES:
 -9 No Response
 -3 Refused
 -2 Don't know
 -1 Not in Universe
  1 Every day
  2 Some days
  3 Not at all

NAME	SIZE	DESCRIPTION	LOCATION

PTC9[i] 3 Around this time 12 MONTHS AGO, on the average, about how many cigarettes did you smoke each day?
FR: One pack usually equals 20 cigarettes. If converting packs to cigarettes, always verify calculation with respondent.

Enter number of cigarettes per day (1-99).

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
1:99 Number of Cigarettes

1139-1141

PEC10A 2 Around this time 12 MONTHS AGO, on how many of the 30 days in the month did you smoke cigarettes?
FR: Enter (0) for none.

Range 0-30

VALID ENTRIES:
  -9 No Response
  -5 None
  -3 Refused
  -2 Don't know
  -1 Not in Universe
  1-30 Number of Days

1142-1143

PTC10B[i] 3 On the average, on those (fill entry C10a), how many cigarettes did you usually smoke each day?
FR: We are still talking about around this time 12 months ago.

VALID ENTRIES:
  -9 No Response
  -5 None
  -3 Refused
  -2 Don't know
  -1 Not in Universe
  1-99 Number of Cigarettes

1144-1146

PEDA 2 During the PAST 12 MONTHS, have you TRIED to QUIT smoking COMPLETELY?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
  1 Yes
  2 No

1147-1148

NAME	SIZE	DESCRIPTION	LOCATION

PEDB   2   Have you EVER TRIED to QUIT smoking COMPLETELY?   1149-1150

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
 1 Yes
 2 No

PED1R   2   During the past 12 months, have you stopped smoking for   1151-1152
one day or longer BECAUSE YOU WERE TRYING TO
QUIT SMOKING?

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
 1 Yes
 2 No

PED3   2   How many TIMES during the past 12 months have you stopped   1153-1154
smoking for one day or longer BECAUSE YOU WERE
TRYING TO QUIT SMOKING?
READ CHOICES
(1) Once (1 time)
(2) 2-3 times
(3) 4 or more times

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
 1 Once (1 time)
 2 2-3 times
 3 4 or more times

PED3B   2   Would you say that during the past 12 months it was MORE THAN 3   1155-1156
TIMES that you…[*fill* "have stopped smoking for one day or longer
BECAUSE YOU WERE TRYING TO QUIT SMOKING?" IF D3 =
D, R; *fill* "TRIED to QUIT smoking COMPLETELY?" IF Da = 1]

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
 1 Yes
 2 No

NAME	SIZE	DESCRIPTION	LOCATION

PED6NUM   2   During the PAST 12 MONTHS, what is the LENGTH of time of this   1157-1158
single quit attempt where you stopped smoking because you were
TRYING to quit smoking?
FR NOTE: IF QUIT ATTEMPT BEGAN MORE THAN 12
MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS,
COUNT ALL OF IT.

ENTER NUMBER (1 - 99)

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1-90 Number of

PED6UNT   2   Enter unit reported: days, weeks, months, year   1159-1160

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Days
   2 Weeks
   3 Months
   4 Years

PED6B   2   Was it more or less than one week?   1161-1162

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 More
   2 Less
   3 One week

PED6CNUM   2   Thinking of those attempts during the past 12 months, what was the   1163-1164
length of time of the ONE attempt that lasted the longest?
FR NOTE: IF QUIT ATTEMPT BEGAN MORE THAN 12
MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS,
COUNT ALL OF IT.
ENTER NUMBER (1 - 99)

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1-90 Number of

NAME	SIZE	DESCRIPTION	LOCATION

PED6CUNT   2   Enter unit reported: days, weeks, months, year   1165-1166

                VALID ENTRIES:
                 -9 No Response
                 -3 Refused
                 -2 Don't know
                 -1 Not in Universe
                  1 Days
                  2 Weeks
                  3 Months
                  4 Years

PED6C2   2   Was it more or less than one week?   1167-1168

                VALID ENTRIES:
                 -9 No Response
                 -3 Refused
                 -2 Don't know
                 -1 Not in Universe
                  1 More
                  2 Less
                  3 One week

PED7R   2   DURING THE PAST 12 MONTHS, have you made a serious   1169-1170
                attempt to stop smoking because you were TRYING to quit - even
                if you stopped for less than a day?

                VALID ENTRIES:
                 -9 No Response
                 -3 Refused
                 -2 Don't know
                 -1 Not in Universe
                  1 Yes
                  2 No

PED8R   2   Have you EVER made a serious attempt to stop smoking because   1171-1172
                you were TRYING to quit – even if you stopped for less than a day?

                VALID ENTRIES:
                 -9 No Response
                 -3 Refused
                 -2 Don't know
                 -1 Not in Universe
                  1 Yes
                  2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEE1A123   2

Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months:
Did you use ANY of the following PRODUCTS:

A NICOTINE … patch, gum, lozenge, nasal spray or inhaler?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

1173-1174

PEE1A7AB   2

Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months:
Did you use ANY of the following PRODUCTS:

A prescription pill, called Chantix, Varenicline, Zyban, Bupropion, or Wellbutrin

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

1175-1176

PEE1B1   2

Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months:
Did you use ANY of the following:

A telephone help line or quit line?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

1177-1178

NAME	SIZE	DESCRIPTION	LOCATION

PEE1B2   2

Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months:
Did you use ANY of the following:

One-on-one IN-PERSON counseling by a health professional

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

1179-1180

PEE1B3   2

Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months:
Did you use ANY of the following:

A stop smoking clinic, class, or support group

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

1181-1182

PEE1B5   2

Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months:
Did you use ANY of the following:

Internet or a web-based program or tool including smartphone apps and text messaging programs?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

1183-1184

NAME	SIZE	DESCRIPTION	LOCATION

PEE1C2   2   The (LAST TIME / time) you tried to QUIT smoking in the past 12   1185-1186
months: Did you do ANY of the following:

Try to quit by SWITCHING to smokeless tobacco such as
chewing tobacco, snuff or snus?
FR NOTE: Snus is pronounced as snoose, rhymes with goose.

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

PEE1C2B   2   The (LAST TIME / time) you tried to QUIT smoking in the past 12   1187-1188
months: Did you do ANY of the following:

Try to quit by SWITCHING to regular cigars, cigarillos,
little filtered cigars or any pipes filled with tobacco?
FR NOTE: If asked any pipes filled with tobacco includes
either or both regular/traditional pipes and water or
hookah pipes - as long as they are filled with tobacco.

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

PEE1C2C   2   The (LAST TIME / time) you tried to QUIT smoking in the past 12   1189-1190
months: Did you do ANY of the following:

Try to quit by SWITCHING to electronic or E-cigarettes? You may
also know them as vape-pens, e-hookahs, vapes or mods. Some
popular brands include NJOY, Blu, Logic, Vuse and JUUL
(*PRONOUNCED LIKE "JEWEL"*).

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEE1C2D1   2   Did you switch to?   1191-1192
Cigars, cigarillos, little filtered cigars.

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
 1 Yes
 2 No

PEE1C2D2   2   Did you switch to?   1193-1194
Regular pipes filled with tobacco.

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
 1 Yes
 2 No

PEE1C2D3   2   Did you switch to?   1195-1196
Water or hookah (pronounced who-kah) pipes filled with tobacco.

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
 1 Yes
 2 No

PEE1CZ2C   2   The (LAST TIME/ time) you tried to quit smoking in the   1197-1198
past 12 months, did you try to quit by SWITCHING to electronic
or E-cigarettes? You may also know them as vape-pens, e-hookahs,
vapes or mods. Some popular brands include NJOY, Blu, Logic, Vuse
and JUUL (*PRONOUNCED LIKE "JEWEL"*).

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
 1 Yes
 2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEF1A 2 In the PAST 12 MONTHS have you SEEN a medical doctor? 1199-1200
FR NOTE: Respondents should answer YES if they visited their
doctor for any medical reason (not only for smoking related reasons).

        VALID ENTRIES:
         -9 No Response
         -3 Refused
         -2 Don't know
         -1 Not in Universe
          1 Yes
          2 No

PEF1B 2 During the PAST 12 MONTHS, did any medical doctor 1201-1202
ADVISE you to stop smoking?

        VALID ENTRIES:
         -9 No Response
         -3 Refused
         -2 Don't know
         -1 Not in Universe
          1 Yes
          2 No

PEG1 2 Are you seriously considering quitting smoking 1203-1204
within the next 6 months?

        VALID ENTRIES:
         -9 No Response
         -3 Refused
         -2 Don't know
         -1 Not in Universe
          1 Yes
          2 No

PEG2 2 Are you planning to quit within the next 30 days? 1205-1206

        VALID ENTRIES:
         -9 No Response
         -3 Refused
         -2 Don't know
         -1 Not in Universe
          1 Yes
          2 No

NAME	SIZE	DESCRIPTION	LOCATION
PEG3	2	Overall, on a scale from 1 to 10 where 1 is NOT AT ALL interested and 10 is EXTREMELY interested, how interested are you in quitting smoking?	1207-1208

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1:10 Number

| PEG4 | 2 | If you did try to quit smoking altogether in the next 6 months, how LIKELY do you think you would be to succeed ----not at all, a little likely, somewhat likely or very likely? | 1209-1210 |

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1 Not at all
2 A little likely
3 Somewhat likely
4 Very likely

| PEH1NUM | | About how long has it been since you COMPLETELY quit smoking cigarettes? | 1211-1212 |

Enter Number. 1-99

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1:99 Number

| PEH1UNT | 2 | Enter Unit Reported. | 1213-1214 |

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1 Days
2 Weeks
3 Months
4 Years

NAME	SIZE	DESCRIPTION	LOCATION

PEH1B   2   In the PAST 12 months, was [duration from H1NUM/UNT]   1215-1216
the longest time you stopped smoking cigarettes because you
were trying to quit?

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1 Yes
2 No

PEH1CNUM   2   During the PAST 12 MONTHS, what WAS the LONGEST   1217-1218
length of time you stopped smoking because you were TRYING
to quit smoking

Enter Number. 1-99

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1:99 Number

PEH1CUNT   2   Enter Unit Reported.   1219-1220

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1 Days
2 Weeks
3 Months
4 Years

PEH2   2   Have you EVER smoked cigarettes EVERY   1221-1222
DAY for at least 6 months?

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't know
-1 Not in Universe
1 Yes
2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEH5   2   For how long did you smoke EVERY DAY?   1223-1224

FR: READ FIRST 4 CHOICES
(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, or
(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 All or nearly all the years you have smoked
   2 Most of the years you have smoked
   3 Half of the years you have smoked
   4 Less than half the years you have smoked
   5 Less than one year (if volunteered)

PTH5A   2   When you last smoked every day, on average how many   1225-1226
cigarettes did you smoke each day?
FR: Enter Number of Cigarettes A Day. (1-99)

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1:99 Number of Cigarettes

PEH6   2   Around this time 12 MONTHS AGO, were you   1227-1228
smoking cigarettes every day, some days, or not at all?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Everyday
   2 Some days
   3 Not at all

NAME	SIZE	DESCRIPTION	LOCATION

PTH6A   2   Around this time 12 MONTHS AGO, on the average,   1229-1230
about how many cigarettes did you smoke each day?
FR: One pack usually equals 20 Cigarettes. If converting packs
to Cigarettes, always verify calculation with respondent.
Enter Number of Cigarettes Per Day: 1-99

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1:99 Number of Cigarettes

PEH6B   2   Around this time 12 MONTHS AGO, on how many   1231-1232
of 30 days in the month did you smoke cigarettes?
Enter 0 for None

VALID ENTRIES:
  -9 No Response
  -5 None
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1:30 Number of days

PTH6C   2   On the average, on those (fill H6B entry) days, how many   1233-1234
cigarettes did you usually smoke each day?
FR: We are still talking about "around this time 12 months ago.

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1:99 Number of cigarettes

PEH6C2   2   We are still talking about Around this time 12 months ago   1235-1236
Thinking back to the 12 MONTHS BEFORE YOU
QUIT SMOKING CIGARETTES, during that time,
did you usually smoke menthol or non-menthol cigarettes?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Menthol
   2 Non menthol
   3 No Usual Type

NAME	SIZE	DESCRIPTION	LOCATION

PEH6C4   2   Have you EVER smoked MENTHOL cigarettes for   1237-1238
6 months or more?

                              VALID ENTRIES:
     -9 No Response
     -3 Refused
     -2 Don't know
     -1 Not in Universe
      1 Yes
      2 No

PEH6C5   2   For how long did you smoke MENTHOL cigarettes?   1239-1240

                              Read choices 1-4
(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, or
(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

                              VALID ENTRIES:
     -9 No Response
     -3 Refused
     -2 Don't know
     -1 Not in Universe
      1 All or nearly all the years you have smoked
      2 Most of the years you have smoked
      3 Half of the years you have smoked
      4 Less than half the years you have smoked
      5 Less than one year (if volunteered)

PEH6D123   2   Now I would like to ask about HOW you went about completely   1241-1242
quitting smoking. When you quit smoking completely,
did you use ANY of the following PRODUCTS:

                              A NICOTINE…patch, gum, lozenge, nasal spray or inhaler?

                              VALID ENTRIES:
     -9 No Response
     -3 Refused
     -2 Don't know
     -1 Not in Universe
      1 Yes
      2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEH6D7AB   2   Now I would like to ask about HOW you went about completely   1243-1244
quitting smoking. When you quit smoking completely,
did you use ANY of the following PRODUCTS:

A prescription pill, called Chantix, Varenicline, Zyban,
Bupropion, or Wellbutrin?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

PEH6E1   2   When you quit smoking completely, did you use ANY   1245-1246
of the following:

A telephone help line or quit line?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

PEH6E2   2   When you quit smoking completely, did you use ANY   1247-1248
of the following:

One-on-one IN-PERSON counseling by a health professional?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEH6E3 2 When you quit smoking completely, did you use ANY 1249-1250
of the following:

A stop smoking clinic, class, or support group?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

PEH6E5 2 When you quit smoking completely, did you use ANY 1251-1252
of the following:

Internet or a web-based program or tool including smartphone
apps and text messaging programs?

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

PEH6FA2 2 When you quit smoking completely, did you do ANY of the 1253-1254
following, whether or not you think they were effective?

Try to quit by SWITCHING to smokeless tobacco such as
chewing tobacco, snuff, or snus?
 FR: Pronounce "SNUS" to rhyme with "GOOSE"

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEH6FA2B   2

When you quit smoking completely, did you do ANY of the
following whether or not you think they were effective?

Try to quit by SWITCHING to regular cigars, cigarillos, little
filtered cigars or ANY pipes filled with tobacco?
FR Note: If asked any pipes filled with tobacco includes either
or both regular/traditional pipes and water or hookah pipes -- as
long as they are filled with tobacco.

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

1255-1256

PEH6FA2C   2

When you quit smoking completely, did you do ANY of the
following whether or not you think they were effective?

Try to quit by SWITCHING to electronic or E-cigarettes?
You may also know them as vape-pens, e-hookahs, vapes or
mods. Some popular brands include NJOY, Blu, Logic, Vuse
and JUUL (*PRONOUNCED LIKE "JEWEL"*).

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

1257-1258

PEH6FA2D1   2

Did you switch to?
Cigars, cigarillos, little filtered cigars.

VALID ENTRIES:
  -9 No Response
  -3 Refused
  -2 Don't know
  -1 Not in Universe
   1 Yes
   2 No

1259-1260

NAME	SIZE	DESCRIPTION	LOCATION

PEH6FA2D2   2   Did you switch to?   1261-1262
Regular pipes filled with tobacco.

    VALID ENTRIES:
     -9 No Response
     -3 Refused
     -2 Don't know
     -1 Not in Universe
      1 Yes
      2 No

PEH6FA2D3   2   Did you switch to?   1263-1264
Water or hookah (pronounced who-kah) pipes filled with tobacco.

    VALID ENTRIES:
     -9 No Response
     -3 Refused
     -2 Don't know
     -1 Not in Universe
      1 Yes
      2 No

PEH6FAZ2C   2   When you quit smoking completely, did you try to quit by   1265-1266
SWITCHING to electronic or E-cigarettes?
You may also know them as vape-pens, e-hookahs, vapes or
mods. Some popular brands include NJOY, Blu, Logic, Vuse
and JUUL (*PRONOUNCED LIKE "JEWEL"*).

    VALID ENTRIES:
     -9 No Response
     -3 Refused
     -2 Don't know
     -1 Not in Universe
      1 Yes
      2 No

PEH61A   2   In the 12 MONTHS BEFORE you COMPLETELY   1267-1268
quit smoking, did you SEE a medical doctor?
FR NOTE: Respondents should answer YES if they visited their
doctor for any medical reason (not only for smoking related reasons).

    VALID ENTRIES:
     -9 No Response
     -3 Refused
     -2 Don't know
     -1 Not in Universe
      1 Yes
      2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEH61B   2   During the 12 MONTHS BEFORE you completely quit smoking,   1269-1270
did any medical doctor ADVISE you to stop smoking?

    VALID ENTRIES:
     -9 No Response
     -3 Refused
     -2 Don't know
     -1 Not in Universe
      1 Yes
      2 No

PEH8ANUM   2   During the 12 MONTHS before you quit smoking, how soon after   1271-1272
you woke up did you typically smoke your first cigarette of the day?
FR: If necessary, ask for best answer in minutes or hours.
Enter 0 if respondent insists it varies.

    VALID ENTRIES:
     -9 No Response
     -5 Varies
     -3 Refused
     -2 Don't know
     -1 Not in Universe
     1:90 Number of

PEH8AUNT   2   Enter unit reported   1273-1274

    VALID ENTRIES:
     -9 No Response
     -3 Refused
     -2 Don't know
     -1 Not in Universe
      1 Minutes
      2 Hours

PEH8B   2   During the 12 months before you quit smoking, would you   1275-1276
say you smoked your first cigarette of the day within
the first 30 minutes of awakening?

    VALID ENTRIES:
     -9 No Response
     -3 Refused
     -2 Don't know
     -1 Not in Universe
      1 Yes
      2 No
      3 Varies

PEH11A   2   Thinking back to the 12 MONTHS BEFORE YOU   1277-1278
COMPLETELY QUIT SMOKING CIGARETTES. During
that time, DID YOU USUALLY SMOKE menthol or
non-menthol cigarettes?

VALID ENTRIES:
  -9 No response
  -8 Not applicable due to instrument error – relevant for July 2018 and Jan.
     2019 data. This code does NOT apply to May 2019 data for which
     instrument was corrected.
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Menthol
   2 Non menthol
   3 No Usual Type

PEH11C   2   Have you EVER smoked MENTHOL cigarettes for 6 months or   1279-1280
more?

VALID ENTRIES:
  -9 No response
  -8 Not applicable due to instrument error – relevant for July 2018 and Jan.
     2019 data. This code does NOT apply to May 2019 data for which
     instrument was corrected.
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

PEH11D   2   For how long did you smoke MENTHOL cigarettes?   1281-1282

FR: READ FIRST 4 CHOICES
(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, or
(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

VALID ENTRIES:
  -9 No response
  -8 Not applicable due to instrument error – relevant for July 2018 and Jan.
     2019 data. This code does NOT apply to May 2019 data for which
     instrument was corrected.
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 All or nearly all the years you have smoked
   2 Most of the years you have smoked
   3 Half of the years you have smoked

4 Less than half the years you have smoked
5 Less than one year (if volunteered)

PEJ1A1   2   (Have/Has) (you/name) EVER used any of the following   1283-1284
EVEN ONE TIME?

... A regular cigar or cigarillo OR a little filtered cigar?

FR: Regular cigars are different from little filter cigars. They can
be large cigars, or smaller in size such as cigarillos. They are usually
sold individually or in packs of 2 or 3. Some common brands are
Black and Mild's, Swisher Sweetscigarillos, and Phillies Blunts,
but there are others.

FR: Little filtered cigars are different from regular cigars and
cigarillos. They resemble cigarettes in size, and are often sold in
packs of 20. They are usually brown in color and have a spongy filter
like a cigarette. Some common brands are Prime Time little filter
cigars and Winchester little filter cigars, but there are others.

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

PEJ1A2   2   (Have/Has) (you/name) EVER used any of the following   1285-1286
EVEN ONE TIME?

... A regular pipe filled with tobacco?

FR: IF ASKED, pipe smoking ONLY INCLUDES PIPE TOBACCO.
IT DOES NOT INCLUDE SMOKING HASHISH, MARIJUANA,
CRACK, OR OTHER SUBSTANCES IN A PIPE. DO NOT
INCLUDE WATER PIPES/HOOKAHS (who-kahs) OR OTHER
NAMES: SHISHA, NARGHILE, ARGILEH OR HUBBLE-
BUBBLE.

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEJ1A3   2   (Have/Has) (you/name) EVER used any of the following   1287-1288
                           EVEN ONE TIME?

                           ... a water pipe or hookah (who-kah) pipe filled with tobacco?

                           FR: IF ASKED, water pipe or hookah (who-kah) pipe smoking
                           ONLY INCLUDES PIPE TOBACCO. IT DOES NOT INCLUDE
                           SMOKING HASHISH, MARIJUANA, CRACK, OR OTHER
                           SUBSTANCES IN A PIPE. A WATER PIPE OR HOOKAH (who-
                           kah) PIPE IS ALSO REFERRED TO AS A SHISHA, NARGHILE,
                           ARGILEH OR HUBBLE-BUBBLE.

                           VALID ENTRIES:
                             -9 No response
                             -3 Refused
                             -2 Don't Know
                             -1 Not in Universe
                              1 Yes
                              2 No

PEJ1A3_5   2   The next question is about electronic or e-cigarettes. You may also   1289-1290
                           know them as vape-pens, e-hookahs, vapes or mods. Some look like
                           cigarettes, and others look like pens or are rectangular or box-shaped.
                           These are battery-powered, usually contain liquid nicotine, and
                           produce vapor instead of smoke. Some popular brands include NJOY,
                           Blu, Logic, Vuse and JUUL (*PRONOUNCED LIKE "JEWEL"*).

                           (Have/Has)(you/name) EVER used E-cigarettes EVER ONE TIME?

                           VALID ENTRIES:
                             -9 No response
                             -3 Refused
                             -2 Don't Know
                             -1 Not in Universe
                              1 Yes
                              2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEJ1A4   2   The next question is about smokeless tobacco products which   1291-1292
are used in the mouth.

(Have/Has) (you/name) EVER used any of the following
EVEN ONE TIME?

…SMOKELESS tobacco, such as moist snuff, dip, spit, chew tobacco
or snus?

FR: <u>Snuff or dip</u> IS COMMONLY PLACED BETWEEN THE GUM
AND LIP AND SOLD IN ROUND CANS IN --A LOOSE FORM
OR A POUCH THAT LOOKS LIKE A SMALL TEA-
BAG; COMMON BRANDS ARE SKOAL, COPENHAGEN AND
GRIZZLY BUT THERE ARE OTHERS.

<u>Chewing or spit tobacco</u> (ALSO TWIST, PLUG OR SCRAP) IS
USUALLY PLACED IN THE SIDE OF THE MOUTH AND
CHEWED AND OFTEN SOLD IN WALLET-SIZED
POUCHES; COMMON BRANDS ARE REDMAN, LEVI-
GARRETT, AND BEECH-NUT, BUT THERE ARE OTHERS.

<u>Snus</u> IS A SPITLESS TOBACCO PRODUCT THAT MAY BE
SOLD IN A TIN OR SLIDEPAK IN A LOOSE FORM OR IN
SMALL TEABAG-LIKE POUCHES; COMMON BRANDS ARE
CAMEL SNUS, MARLBORO SNUS, AND SKOAL SNUS.

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
  1 Yes
  2 No

PEJ1A5   2   The next question is about another type of tobacco called   1293-1294
dissolvable tobacco. You don't smoke dissolvable tobacco
products--they are made of finely ground tobacco often flavored
that dissolves in your mouth.

(Have/Has)(you/name) EVER used dissolvable tobacco EVEN
ONE TIME?

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
  1 Yes
  2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEJ2A1   2   (Do you/Does name) NOW smoke regular cigars or cigarillos or little   1295-1296
filtered cigars every day, some days or not at all?

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Everyday
 2 Some days
 3 Not at all

PEJ2B1   2   On how many of the past 30 days did you smoke regular cigars or   1297-1298
cigarillos or little filtered cigars?
Enter number of days.
Enter (0) for none.

VALID ENTRIES:
-9 No response
-5 None
-3 Refused
-2 Don't Know
-1 Not in Universe
1:30 Number of Days

PEJ2A2   2   (Do you/Does name) NOW smoke a regular pipe every day, some
days or not at all?   1299-1300

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Everyday
 2 Some days
 3 Not at all

PEJ2B2   2   On how many of the past 30 days did you smoke a regular pipe?   1301-1302
Enter number of days.
Enter (0) for none.

VALID ENTRIES:
-9 No response
-5 None
-3 Refused
-2 Don't Know
-1 Not in Universe
1:30 Number of Days

NAME	SIZE	DESCRIPTION	LOCATION
PEJ2A3	2	(Do you/Does name) NOW use a water pipe or hookah pipe filled with tobacco every day, some days or not at all?	1303-1304

VALID ENTRIES:
 -9 No response
 -3 Refused
 -2 Don't Know
 -1 Not in Universe
  1 Everyday
  2 Some days
  3 Not at all

NAME	SIZE	DESCRIPTION	LOCATION
PEJ2B3	2	On how many of the past 30 days did you use a water pipe or hookah pipe filled with tobacco? Enter number of days. Enter (0) for none.	1305-1306

VALID ENTRIES:
 -9 No response
 -5 None
 -3 Refused
 -2 Don't Know
 -1 Not in Universe
 1:30 Number of Days

NAME	SIZE	DESCRIPTION	LOCATION
PEJ2A3_5	2	(Do you/Does name) NOW use an E-cigarette every day, some days or not at all?	1307-1308

VALID ENTRIES:
 -9 No response
 -3 Refused
 -2 Don't Know
 -1 Not in Universe
  1 Everyday
  2 Some days
  3 Not at all

NAME	SIZE	DESCRIPTION	LOCATION
PEJ2B3_5	2	On how many of the past 30 days did you use an E-cigarette? Enter number of days. Enter (0) for none.	1309-1310

VALID ENTRIES:
 -9 No response
 -5 None
 -3 Refused
 -2 Don't Know
 -1 Not in Universe
 1:30 Number of Days

NAME	SIZE	DESCRIPTION	LOCATION

PEJ2A4   2   (Do you/Does name) NOW use smokeless tobacco such as   1311-1312
moist snuff, dip, spit, chew tobacco or snus every day,
some days or not at all?

      VALID ENTRIES:
       -9 No response
       -3 Refused
       -2 Don't Know
       -1 Not in Universe
        1 Everyday
        2 Some days
        3 Not at all

PEJ2B4   2   On how many of the past 30 days did you use smokeless tobacco?   1313-1314
Enter number of days.
Enter (0) for none.

      VALID ENTRIES:
       -9 No response
       -5 None
       -3 Refused
       -2 Don't Know
       -1 Not in Universe
       1:30 Number of Days

PEJ2A5   2   (Do you/Does name) NOW use dissolvable tobacco every day,   1315-1316
some days or not at all?

      VALID ENTRIES:
       -9 No response
       -3 Refused
       -2 Don't Know
       -1 Not in Universe
        1 Everyday
        2 Some days
        3 Not at all

PEJ2B5   On how many of the past 30 days did you use dissolvable tobacco?   1317-1318
Enter number of days.
Enter (0) for none.

      VALID ENTRIES:
       -9 No response
       -5 None
       -3 Refused
       -2 Don't Know
       -1 Not in Universe
       1:30 Number of Days

NAME	SIZE	DESCRIPTION	LOCATION

PEJA   2   During the past 30 days, what BRAND of smokeless tobacco   1319-1320

(If necessary: moist snuff, dip, spit, chew or snus) did you
use MOST OFTEN?

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Beechnut
   2 Camel snus
   3 Cope
   4 Copenhagen
   5 General Snus
   6 Grizzly
   7 Husky
   8 Kayak
   9 Kodiak
  10 Levi Garrett
  11 Longhorn
  12 Marlboro snus
  13 Red man
  14 Red man golden blend
  15 Red Seal
  16 Skoal
  17 Skoal Snus
  18 Skoal X-tra
  19 Stoker's
  20 Timber wolf
  21 Other

PEJB   2   During the PAST 30 days, what type of CIGAR did you use   1321-1322

MOST OFTEN?

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Regular
   2 Cigarillos
   3 Little filtered cigars

NAME	SIZE	DESCRIPTION	LOCATION

PEJC   2   During the PAST 30 days, what BRAND of CIGAR did you smoke MOST OFTEN?   1323-1324

VALID ENTRIES:

-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 305'S
 2 Al Capone
 3 Antonio Y Cleopatra
 4 Arturo Fuente
 5 Backwoods
 6 Black and Milds
 7 Cohiba
 8 Cheyenne
 9 Djarum

10 Dutch Masters
11 Garcia Y Vega
12 Good_ times
13 Macanudo
14 Hav A-Tampa
15 Phillies
16 Prime time
17 Sante fe
18 Smoker's Choice
19 Swisher Sweets
20 White Owl
21 Zig Zag
22 Other

PEJNFLVIN   2   Some tobacco products come in flavors such as menthol or mint, clove, spice, fruit, chocolate, alcohol, or other flavors.   1325-1326

VALID ENTRIES:

-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Continue

PEJNFLVR1   2   Some tobacco products come in flavors such as menthol or mint, clove, spice, fruit, chocolate, alcohol, or other flavors. When you smoke a cigar is it usually flavored?   1327-1328

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Yes
 2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEJNFLA1B 2 Is it usually menthol or mint flavored? 1329-1330

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Yes
 2 No

PEJNFLA1C 2 Is it usually flavored like clove, spice, herb, fruit, alcohol, candy, sweets, or chocolate? 1331-1332

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Yes
 2 No

PEJNFLA1D 2 Is it usually some other type of flavor? 1333-1334

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Yes
 2 No

PEJNFLVR2 2 Some tobacco products come in flavors such as menthol or mint, clove, spice, fruit, chocolate, alcohol, or other flavors. When you smoke a regular pipe filled with tobacco is it usually flavored? 1335-1336

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Yes
 2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEJNFLA2B   2   Is it usually menthol or mint flavored?   1337-1338

      VALID ENTRIES:
       -9 No response
       -3 Refused
       -2 Don't Know
       -1 Not in Universe
        1 Yes
        2 No

PEJNFLA2C   2   Is it usually flavored like clove, spice, herb, fruit, alcohol,   1339-1340
                        candy, sweets, or chocolate?

      VALID ENTRIES:
       -9 No response
       -3 Refused
       -2 Don't Know
       -1 Not in Universe
        1 Yes
        2 No

PEJNFLA2D   2   Is it usually some other type of flavor?   1341-1342

      VALID ENTRIES:
       -9 No response
       -3 Refused
       -2 Don't Know
       -1 Not in Universe
        1 Yes
        2 No

PEJNFLVR3   2   Some tobacco products come in flavors such as menthol or mint,   1343-1344
                        clove, spice, fruit, chocolate, alcohol, or other flavors.
                        When you smoke a water/hookah pipe filled with tobacco
                        is it usually flavored?

      VALID ENTRIES:
       -9 No response
       -3 Refused
       -2 Don't Know
       -1 Not in Universe
        1 Yes
        2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEJNFLA3B   2   Is it usually menthol or mint flavored?   1345-1346

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

PEJNFLA3C   2   Is it usually flavored like clove, spice, herb, fruit, alcohol, candy, sweets, or chocolate?   1347-1348

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

PEJNFLA3D   2   Is it usually some other type of flavor?   1349-1350

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

PEJNFLV35   2   Some tobacco products come in flavors such as menthol or mint, clove, spice, fruit, chocolate, alcohol, or other flavors. When you use an E-cigarette is it usually flavored?   1351-1352

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

PEJNFA35A   2   Is it usually tobacco flavored?   1353-1354

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEJNFA35B   2   Is it usually menthol or mint flavored?   1355-1356

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

PEJNFA35C   2   Is it usually flavored like clove, spice, herb, fruit, alcohol, candy, sweets, or chocolate?   1357-1358

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

PEJNFA35D   2   Is it usually some other type of flavor?   1359-1360

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

PEJNFVB35   2   When you use an e-cigarette, is it usually tobacco flavored?   1361-1362

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

PEJNFLVR4   2   Some tobacco products come in flavors such as menthol or mint, clove, spice, fruit, chocolate, alcohol, or other flavors. When you use smokeless tobacco is it usually flavored?   1363-1364

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEJNFLA4B   2   Is it usually menthol or mint flavored?   1365-1366

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

PEJNFLA4C   2   Is it usually flavored like clove, spice, herb, fruit, alcohol, candy, sweets, or chocolate?   1367-1368

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

PEJNFLA4D   2   Is it usually some other type of flavor?   1369-1370

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

PEJECIGRA   2   Do you use e-cigarettes because you can use them at times when or in places where smoking cigarettes isn't allowed?   1371-1372

FR: E-CIGARETTES CAN ALSO BE CALLED VAPE-PENS, E-HOOKAHS, VAPES OR MODS. POPULAR BRANDS INCLUDE NJOY, BLU, LOGIC, VUSE, AND JUUL (PROUNOUNCED LIKE "JEWEL").

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEJECIGRD   2   Do you use e-cigarettes to help you quit smoking cigarettes?   1373-1374

VALID ENTRIES:
- -9 No response
- -3 Refused
- -2 Don't Know
- -1 Not in Universe
- 1 Yes
- 2 No

PEJECIG2   2   Which of the following best describes the type of e-cigarette you currently use? If you use more than one type, please think of the one you use most often.   1375-1376

VALID ENTRIES:
- -9 No response
- -3 Refused
- -2 Don't Know
- -1 Not in Universe
- 1 A disposable e-cigarette
- 2 An e-cigarette that uses REPLACEABLE PREFILLED CARTRIDGES
- 3 An e-cigarette with a TANK that you REFILL with LIQUIDS
- 4 A mod system
- 5 You don't know the type

PEJECIG3   2   Do you usually buy your own {e-cigarettes / e-cigarette cartridges/ e-liquid}?   1377-1378

VALID ENTRIES:
- -9 No response
- -3 Refused
- -2 Don't Know
- -1 Not in Universe
- 1 Yes
- 2 No

PEJECIG4   2   How do you usually buy your own {e-cigarettes / e-cigarette cartridges/ e-liquid}   1379-1380

VALID ENTRIES:
- -9 No response
- -3 Refused
- -2 Don't Know
- -1 Not in Universe
- 1 In persons
- 2 From the internet
- 3 By telephone
- 4 Some other way (Specify:____)

NAME	SIZE	DESCRIPTION	LOCATION
PEJCOST1	2	Do you usually buy {e-cigarettes / e-cigarette cartridges / bottles of e-liquid} by the box or pack, or as {single e-cigarettes / single e-cigarette cartridges / a single bottle of e-liquid}? VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1 Box or Pack 2 Singles	1381-1382
PTJCOST2	5	What price did you pay for the LAST BOX OR PACK of {e-cigarettes / e-cigarette cartridges / bottles of e-liquid} you bought? Please report the cost after using discounts or coupons. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 00000-99999 Price in dollars (2 implied decimal places)	1383-1387
PEJCOST3	3	How many {e-cigarettes / e-cigarette cartridges / bottles of e-liquid} came in the LAST BOX OR PACK you bought? VALID ENTRIES: VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 1-99 Number of	1388-1390
PTJCOST4	5	What price did you pay for the LAST {e-cigarette / e-cigarette cartridge / bottle of e-liquid} you bought? Please report the cost after using discounts or coupons. VALID ENTRIES: -9 No response -3 Refused -2 Don't Know -1 Not in Universe 00000-99999 Price in dollars (2 implied decimal places)	1391-1395

NAME	SIZE	DESCRIPTION	LOCATION
PEJCOST5	4	How many MILLILITERS of liquid were in a SINGLE bottle you LAST bought?	1396-1399

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
  000-999

| PEJD11 | 2 | About how long has it been since you COMPLETELY quit smoking cigars, cigarillos or little filter cigars? Enter number: (1-99) | 1400-1401 |

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1:99 Number of

| PEJD21 | 2 | Enter units: days, weeks, months, years | 1402-1403 |

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Days
   2 Weeks
   3 Months
   4 Years

| PEJD12 | 2 | About how long has it been since you COMPLETELY quit smoking a regular pipe filled with tobacco? Enter number: (1-99) | 1404-1405 |

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1:99 Number of

NAME	SIZE	DESCRIPTION	LOCATION

PEJD22   2   Enter units: days, weeks, months, years   1406-1407

     VALID ENTRIES:
      -9 No response
      -3 Refused
      -2 Don't Know
      -1 Not in Universe
       1 Days
       2 Weeks
       3 Months
       4 Years

PEJD13   2   About how long has it been since you COMPLETELY   1408-1409
     quit smoking a water pipe or hookah pipe filled with tobacco?
     Enter number: (1-99)

     VALID ENTRIES:
      -9 No response
      -3 Refused
      -2 Don't Know
      -1 Not in Universe
       1:99 Number of

PEJD23   2   Enter units: days, weeks, months, years   1410-1411

     VALID ENTRIES:
      -9 No response
      -3 Refused
      -2 Don't Know
      -1 Not in Universe
       1 Days
       2 Weeks
       3 Months
       4 Years

PEJD13_5   2   About how long has it been since you COMPLETELY   1412-1413
     quit using E-cigarettes?
     Enter number: (1-99)

     VALID ENTRIES:
      -9 No response
      -3 Refused
      -2 Don't Know
      -1 Not in Universe
       1:99 Number of

NAME	SIZE	DESCRIPTION	LOCATION

PEJD23_5   2   Enter units: days, weeks, months, years   1414-1415

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Days
 2 Weeks
 3 Months
 4 Years

PEJD14   2   About how long has it been since you COMPLETELY quit using smokeless tobacco?
Enter number: (1-99)   1416-1417

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1:99 Number of

PEJD24   2   Enter units: days, weeks, months, years   1418-1419

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Days
 2 Weeks
 3 Months
 4 Years

PEJD31   2   In total, how many years (have you smoked/did you smoke) cigars or cigarillos or little filtered cigars?
If product was only used once or twice, DO NOT ASK this question and enter 0 for less than one year.
Enter 0 for less than one year   1420-1421

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 0 Only used once or twice or Less than one year
 1:99 years

NAME	SIZE	DESCRIPTION	LOCATION

PEJD32   2

In total, how many years (have you smoked/did you smoke) a regular pipe filled with tobacco?
If product was only used once or twice, DO NOT ASK this question and enter 0 for less than one year.
Enter 0 for less than one year

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   0 Only used once or twice or Less than one year
   1-99 years

1422-1423

PEJD33   2

In total, how many years (have you smoked/did you smoke) a water pipe or hookah pipe filled with tobacco?
If product was only used once or twice, DO NOT ASK this question and enter 0 for less than one year.
Enter 0 for less than one year

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   0 Only used once or twice or Less than one year
   1-99 years

1424-1425

PEJD33_5   2

In total, how many years (have you used/did you use) E-cigarettes?
If product was only used once or twice, DO NOT ASK this question and enter 0 for less than one year.
Enter 0 for less than one year

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   0 Only used once or twice or Less than one year
   1-99 years

1426-1427

NAME	SIZE	DESCRIPTION	LOCATION

PEJD34   2   In total, how many years (have you used/did you use) smokeless tobacco?   1428-1429

If product was only used once or twice, DO NOT ASK this question and enter 0 for less than one year.
Enter 0 for less than one year

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   0 Only used once or twice or Less than one year
  1-99 years

PEJFECGRA   2   Did you use E-cigarettes because you could use them at times when or in places where smoking cigarettes wasn't allowed?   1430-1431

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

PEJFECGRD   2   Did you use e-cigarettes to help you quit smoking cigarettes?   1432-1433

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

PEJFECG2   2   Which of the following best describes the type of e-cigarette you used to use? If you used more than one type, please think of the one you used most often.   1434-1435

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 A disposable e-cigarette
   2 An e-cigarette that uses replaceable PREFILLED CARTRIDGES
   3 An e-cigarette with a TANK that you REFILL with LIQUIDS
   4 A mod system, or
   5 You don't know the type?

NAME	SIZE	DESCRIPTION	LOCATION

PEJ3A1   2   How soon after you wake up do you typically [fill with appropriate   1436-1437
stem and ending based on responses to J2a1-4]?

FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES
OR HOURS
FR: IF RESPONDENTS USE BOTH KINDS OF PIPES, THEY
SHOULD BE THINKING OF BOTH KINDS AND ANSWER THE
EARLIEST TIME AFTER AWAKENING THEY SMOKE THE
FIRST OF THE TWO TYPES OF PIPES. SIMILARLY, WE ARE
ASKING ABOUT THE FIRST USE OF ANY OF THE GROUP OF
PRODUCTS NOTED

ENTER (0) IF RESPONDENT INSISTS IT VARIES

VALID ENTRIES:
  -9 No response
  -5 Varies
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1-99 Number of

PEJ3A2   2   Enter minutes or hours   1438-1439

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Minutes
   2 Hours

PEJ3D   2   Would you say you [fill with appropriate stem and ending based on   1440-1441
responses to J2a1-4] within the first 30 minutes of awakening?

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No
   3 Varies

NAME	SIZE	DESCRIPTION	LOCATION

PEJ3F1   2

In the 12 months BEFORE YOU COMPLETELY QUIT {smoking cigars / smoking pipes / using e-cigarettes / using smokeless tobacco}, how soon after you woke up did you typically [fill with appropriate stem and ending based on responses to J2a1-4] (smoke your first….cigar/ pipe//use your first….e-cigarette/first use smokeless tobacco)?

1442-1443

FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS
FR: IF RESPONDENTS USE BOTH KINDS OF PIPES, THEY SHOULD BE THINKING OF BOTH KINDS AND ANSWER THE EARLIEST TIME AFTER AWAKENING THEY SMOKE THE FIRST OF THE TWO TYPES OF PIPES. SIMILARLY, WE ARE ASKING ABOUT THE FIRST USE OF ANY OF THE GROUP OF PRODUCTS NOTED

ENTER (0) IF RESPONDENT INSISTS IT VARIES

Enter Number: (0-90)

VALID ENTRIES:
  -9 No response
  -5 Varies
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1-99 Number of

PEJ3F2   2

Enter minutes or hours

1444-1445

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Minutes
   2 Hours

NAME	SIZE	DESCRIPTION	LOCATION

PEJ3G   2   In the 12 months BEFORE YOU COMPLETELY QUIT {smoking cigars / smoking pipes / using e-cigarettes / using smokeless tobacco}, would you say you [fill with appropriate stem and ending based on responses to J2a1-4] (smoke your first….cigar/ pipe//use your first….e-cigarette/first use smokeless tobacco) within the first 30 minutes of awakening?   1446-1447

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No
3 Varies

PEJ4   2   During the PAST 12 MONTHS, have you stopped smoking // using [fill entry based on BOX 39A—cigars / pipes // e-cigarettes / smokeless tobacco] for one day or longer BECAUSE YOU WERE TRYING TO QUIT?   1448-1449

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

PEJ6BNUM   2   Thinking of ANY attempts to stop smoking …// using … [fill entry same as J4 fill – cigars/pipes // E-cigarettes/ smokeless tobacco] because you were trying to quit, during the past 12 months, what was the length of time of the ONE attempt that lasted the longest?   1450-1451

Enter Number: 1-99

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1-99 Number of

NAME	SIZE	DESCRIPTION	LOCATION
PEJ6BUNT	2	Enter days, weeks, or months	1452-1453

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Days
   2 Weeks
   3 Months

NAME	SIZE	DESCRIPTION	LOCATION
PEJ7CINT	2	The LAST TIME you tried to QUIT smoking CIGARS in the past 12 months: Did you:	1454-1455

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Continue

NAME	SIZE	DESCRIPTION	LOCATION
PEJ7C	2	The LAST TIME you tried to QUIT smoking CIGARS in the past 12 months: Did you: Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff, or snus? FR: PRONOUNCE "SNUS" TO RHYME WITH "GOOSE."	1456-1457

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

NAME	SIZE	DESCRIPTION	LOCATION
PEJ7D	2	The LAST TIME you tried to QUIT smoking CIGARS in the past 12 months: Did you: Try to quit by SWITCHING to electronic or E-cigarettes?	1458-1459

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Yes
   2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEJ7ALTIN   2   When you quit smoking CIGARS completely, did you do   1460-1461
ANY of the following, whether or not you think they
were effective:

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Continue

PEJ7CALT   2   When you quit smoking CIGARS completely, did you do   1462-1463
ANY of the following, whether or not you think they were
effective: Try to quit by SWITCHING to smokeless
tobacco such as chewing tobacco, snuff, or snus?

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

PEJ7DALT   2   When you quit smoking CIGARS completely, did you do   1464-1465
ANY of the following, whether or not you think they were
effective: Try to quit by SWITCHING to electronic or
E-cigarette?

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 Yes
2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEK1A   2   The next questions are about your place of work.   1466-1467
Do you mainly work indoors or outdoors?
FR: If respondent has more than 1 job, have them answer for their
main job.
Do not read the first 2 categories unless necessary.
Never read the remaining categories.

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Indoors
   2 Outdoors
   3 About equally indoors and outdoors
   4 Works mainly indoors in a non-traditional environment such
     as warehouse or other similar large semi-structured area
   5 Mainly travel around to different clients or sites or mainly in
     a motor vehicle/bus/train/boat/airplane/underground/in a
     mine, etc.
   6 varies

PEK1B   2   Do you mainly work in an office building, in your own home, in   1468-1469
someone else's home, or in another indoor place?

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Office building
   2 Own Home
   3 Someone else's home
   4 Another indoor

PEK1B11   2   In which State (including DC), do you work?   1470-1471

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Alabama
   2 Alaska
   4 Arizona
   5 Arkansas
   6 California
   8 Colorado
   9 Connecticut
  10 Delaware
  11 District of Columbia
  12 Florida

13 Georgia
15 Hawaii
16 Idaho
17 Illinois
18 Indiana
19 Iowa
20 Kansas
21 Kentucky
22 Louisiana
23 Maine
24 Maryland
25 Massachusetts
26 Michigan
27 Minnesota
28 Mississippi
29 Missouri
30 Montana
31 Nebraska
32 Nevada
33 New Hampshire
34 New Jersey
35 New Mexico
36 New York
37 North Carolina
38 North Dakota
39 Ohio
40 Oklahoma
41 Oregon
42 Pennsylvania
44 Rhode Island
45 South Carolina
46 South Dakota
47 Tennessee
48 Texas
49 Utah
50 Vermont
51 Virginia
53 Washington
54 West Virginia
55 Wisconsin
56 Wyoming
57 United States (state unknown)
88 Not in U.S.

NAME	SIZE	DESCRIPTION	LOCATION

PEK1B2   2   When you work INDOORS: Do you mainly work in an   1472-1473
office building, in your own home, in someone else's home,
or in another indoor place?

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Office building
 2 Own home
 3 Someone else's home
 4 another indoor place

PEK1C1   2   In which State (including DC), do you work on   1474-1475
your main indoor job or business?

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Alabama
 2 Alaska
 4 Arizona
 5 Arkansas
 6 California
 8 Colorado
 9 Connecticut
10 Delaware
11 District of Columbia
12 Florida
13 Georgia
15 Hawaii
16 Idaho
17 Illinois
18 Indiana
19 Iowa
20 Kansas
21 Kentucky
22 Louisiana
23 Maine
24 Maryland
25 Massachusetts
26 Michigan
27 Minnesota
28 Mississippi
29 Missouri
30 Montana
31 Nebraska
32 Nevada
33 New Hampshire

          34 New Jersey
          35 New Mexico
          36 New York
          37 North Carolina
          38 North Dakota
          39 Ohio
          40 Oklahoma
          41 Oregon
          42 Pennsylvania
          44 Rhode Island
          45 South Carolina
          46 South Dakota
          47 Tennessee
          48 Texas
          49 Utah
          50 Vermont
          51 Virginia
          53 Washington
          54 West Virginia
          55 Wisconsin
          56 Wyoming
          57 United States (state unknown)
          88 Not in U.S.

PEK2A   2   Is smoking restricted in ANY WAY at your place of work?   1476-1477
                          Read if necessary: By restricted, we mean any limitation
                          on smoking, regardless of who is responsible for thatrestriction
                          (including owner, employer, government, union, etc.)

                          VALID ENTRIES:
                           -9 No response
                           -3 Refused
                           -2 Don't Know
                           -1 Not in Universe
                            1 Yes
                            2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEK3A   2   Which of these best describes the smoking policy at your place   1478-1479
of work for INDOOR PUBLIC OR COMMON AREAS, such
as lobbies, rest rooms, and lunch rooms?

FR: READ THE FIRST 3 ANSWER CATEGORIES ONLY.
ENTER (4) IF NOT APPLICABLE

(1) Not allowed in ANY public areas
(2) Allowed in SOME public areas
(3) Allowed in ALL public areas
(4) NOT APPLICABLE

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Not allowed in ANY public areas
   2 Allowed in SOME public areas
   3 Allowed in ALL public areas
   4 Not applicable

PEK3B   2   Which of these best describes the smoking policy at your place   1480-1481
of work for INDOOR WORK AREAS?

FR: READ THE FIRST 3 ANSWER CATEGORIES ONLY.
ENTER (4) IF NOT APPLICABLE

(1) Not allowed in ANY work areas
(2) Allowed in SOME work areas
(3) Allowed in ALL work areas
(4) NOT APPLICABLE

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 Not allowed in ANY work areas
   2 Allowed in SOME work areas
   3 Allowed in ALL work areas
   4 Not applicable

NAME	SIZE	DESCRIPTION	LOCATION

PEK3C   2   During the PAST TWO WEEKS, has anyone smoked   1482-1483
in the area in which you work?

VALID ENTRIES:
- -9 No response
- -3 Refused
- -2 Don't Know
- -1 Not in Universe
- 1 Yes
- 2 No

PEK3B1   2   Which of these best describes the vaping or e-cigarette   1484-1485
policy at your place of work for INDOOR PUBLIC OR
COMMON AREAS AND INDOOR WORK AREAS?

VALID ENTRIES:
- -9 No response
- -3 Refused
- -2 Don't Know
- -1 Not in Universe
- 1 Not allowed in ANY public and ANY work areas
- 2 Allowed in SOME public or SOME work areas
- 3 Allowed in ALL public and ALL work areas
- 4 Not applicable

PEK3C1   2   During the PAST TWO WEEKS, has anyone vaped or   1486-1487
used e-cigarettes in the area in which you work?

VALID ENTRIES:
- -9 No response
- -3 Refused
- -2 Don't Know
- -1 Not in Universe
- 1 Yes
- 2 No

NAME	SIZE	DESCRIPTION	LOCATION

PEK4   2   The final set of questions are about your home and other places.   1488-1489
Which statement best describes the rules about smoking
INSIDE YOUR HOME?

FR: Read if necessary: "Home" is where you live. "Rules" include
any unwritten "Rules" and pertain to all people whether or not they
reside in the home or are visitors, workmen, etc. Smoking includes
cigars regular and hookah as well as cigarettes

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 No one is allowed to smoke anywhere INSIDE YOUR HOME
   2 Smoking is allowed in some places or at some times INSIDE
      YOUR HOME
   3 Smoking is permitted anywhere INSIDE YOUR HOME

PEK4A   2   Which statement best describes the rules about vaping or using   1490-1491
e-c igarettes INSIDE YOUR HOME?

FR: Read if necessary "Home" is where you live. "Rules" include
any unwritten "Rules" and pertain to all people whether or not they
reside in the home or are visitors, workmen, etc. "Vaping" includes
use of e-cigarettes, vape-pens, hookah-pens, e-hookahs, e-vaporizers,
vapes, or mods. popular brands include Njoy, Blu, Logic, Vuse, and
Juul (prounounced like "jewel").

VALID ENTRIES:
  -9 No response
  -3 Refused
  -2 Don't Know
  -1 Not in Universe
   1 No one is allowed to vape anywhere INSIDE YOUR HOME
   2 Vaping is allowed in some places or at some times INSIDE
      YOUR HOME
   3 Vaping is permitted anywhere INSIDE YOUR HOME

NAME	SIZE	DESCRIPTION	LOCATION
PEK5A	2	In buildings with multiple apartments or living areas, do you THINK that smoking should be ... ALLOWED INSIDE ALL apartments or living areas, ALLOWED inside SOME apartments ..., or NOT ALLOWED at ALL inside apartments	1492-1493

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Allowed inside all apartments and living areas
 2 Allowed inside some apartments
 3 Not allowed at all inside apartments

NAME	SIZE	DESCRIPTION	LOCATION
PEK6B	2	In indoor work areas, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL?	1494-1495

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Allowed in all areas
 2 Allowed in some areas
 3 Not allowed at all

NAME	SIZE	DESCRIPTION	LOCATION
PEK6C		Inside bars, cocktail lounges, and clubs, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL?	1496-1497

VALID ENTRIES:
-9 No response
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Allowed in all areas
 2 Allowed in some areas
 3 Not allowed at all

NAME	SIZE	DESCRIPTION	LOCATION
PEK6G		Inside casinos, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL?	1498-1499

VALID ENTRIES:
-9 No response
-8 Not applicable due to instrument error – relevant for ONLY Jan. 2019 data. This code does NOT apply to July 2018 and May 2019 data for which instrument was correct.
-3 Refused
-2 Don't Know
-1 Not in Universe
 1 Allowed in all areas
 2 Allowed in some areas
 3 Not allowed at all

NAME	SIZE	DESCRIPTION	LOCATION

PEK6H   2   Inside a car, when there are other people present, do you THINK that smoking SHOULD…always be allowed, be allowed under some conditions, or never be allowed?   1500-1501

                            VALID ENTRIES:
                              -9 No response
                              -3 Refused
                              -2 Don't Know
                              -1 Not in Universe
                               1 Always be allowed
                               2 Be allowed under some conditions
                               3 Never be allowed

PEK6H2   2   IF children are present inside the car, do you think that smoking SHOULD…always be allowed, be allowed under some conditions, or never be allowed.   1502-1503

                            VALID ENTRIES:
                              -9 No response
                              -3 Refused
                              -2 Don't Know
                              -1 Not in Universe
                              1 Always be allowed
                              2 Be allowed under some conditions
                              3 Never be allowed

PEK8   2   In the past 6 months, have you seen messages in newspapers or on television that say that a Federal Court has ordered tobacco companies to make statements about the dangers of smoking cigarettes?   1504-1505

                            VALID ENTRIES:
                              -9 No response
                              -3 Refused
                              -2 Don't Know
                              -1 Not in Universe
                              1 Yes
                              2 No

PEK9INTRO   2   The last few questions are about heated tobacco products. Some people refer to these as "heat-not-burn" tobacco products. These heat TOBACCO STICKS or CAPSULES to produce a vapor. They are different from e-cigarettes, which heat a LIQUID to produce a vapor. Some brands of heated tobacco products include iQOS (PRONOUNCED "eye-kos"), glo PRONOUNCED "glow"), and Eclipse.   1506-1507

                            VALID ENTRIES:
                            -9 No Response
                            -3 Refused
                            -2 Don't Know
                            1 Continue

NAME	SIZE	DESCRIPTION	LOCATION

PEK9   2   Before today, have you heard of "heated tobacco products ?"   1508-1509

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't Know
1 Yes
2 No

PEK10   2   Have you ever tried a "heated tobacco product",
even just one time?   1510-1511

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't Know
1 Yes
2 No

PES78   2   Respondent relationship recode – relationship
Of respondent to the sample person   1512-1513

VALID ENTRIES:
-1 Not in Universe
1 Self
2 Husband
3 Wife
4 Child
5 Grandchild
6 Grandparent
7 Parent
8 Sibling
9 Other relative
10 Non relative
11 Non relative
88 Non relative

PESINTTP   2   *** DO NOT READ ***   1514-1515

In what language was the interview conducted for this person?

VALID ENTRIES:
-9 No Response
-3 Refused
-2 Don't Know
-1 Not in Universe
1 English
2 Spanish
3 Chinese
4 Korean
5 Vietnamese
6 Khmer

NAME	SIZE	DESCRIPTION	LOCATION
		7 Other Asian	
		8 Other	
PES81A	2	Method of Interview	1516-1517

VALID ENTRIES:
  -1 Not in Universe
  1 Personal
  2 Telephone

| INTRVIEW | 2 | Interview Status Recode | 1518-1519 |

Condition 1. PENXTPR ne -3
Condition 2. (PEA1 in 1,2,-2) OR ((PEA1 in -3,-9) AND
        (PEJ1a# in 1,2,-2))

VALID ENTRIES:
  -1 Not in Universe
  1 INTRVIEW=1 (complete interview) when conditions 1
    AND 2 are met
  2 Set INTRVIEW=2 (noninterview) when condition 1
    is not met OR condition 2 is not met OR conditions 1
    AND 2 are not met

| HRMODE | 2 | Method of Interview | 1520-1521 |

VALID ENTRIES:
  -1 Not in Universe
  1 CAPI
  2 CATI
  3 Unknown

| SMOKSTAT | 2 | Type of smoker recode | 1522-1523 |

VALID ENTRIES:
  - 9 Indeterminate (includes persons age between 18 and 34 with
     pea1 in (-2,-3,-9) and pea3 in (1,2,3))
  -1 Not in universe
  1 Never smoker (includes persons age between 18 and 34 with
    pea1=2 and pea3 in (1,2,3))
  2 Everyday smoker
  3 Some days smoker
  4 Former smoker

| PRS35 | 2 | Respondent and Smoker Type | 1524-1525 |

VALID ENTRIES:
  -9 No response
  -1 Not in universe (includes persons age between 18 and 34
     with pea1 in (-2,-3,-9) and pea3 in (1,2,3))
  1 Self respondent, every day smoker
  2 Self respondent, some day smoker
  3 Self respondent, former smoker

NAME	SIZE	DESCRIPTION	LOCATION
		4 Proxy respondent	

PRS60   2   Self responding 'Not at all' smokers- smoking less than   1526-1527
or equal to 1 year or Don't Know

         VALID ENTRIES:
         -1 Not in universe (includes persons age between 18 and 34
            with pea1 in (-2,-3,-9) and pea3=3)
          1 Item PEH1NUM/PEH1UNT is less than or equal
           to 1 year or don't know
          2 All others

PRS64   2   Who is responding for the supplement   1528-1529

         VALID ENTRIES:
         -1 Not in universe
          1 Self
          2 Proxy

PRS65   2   Monthly Labor Force recode of Self respondents   1530-1531

         VALID ENTRIES:
         -1 Not in universe
          1 Employed self respondents (PEMLR=1,2)
          2 All other cases

PRS66   2   Employed self respondents' class of worker on first job   1532-1533

         VALID ENTRIES:
         -1 Not in universe
          1 In government or private industry (PEIO1COW in 1,2,3,4,5,10)
          2 All other cases

PRJ3A1F   2   Recode from fill in PEJ3a1 and PEJ3a2 to determine which tobacco   1534-1535
product is being discussed in PEJ3a1and PEJ3a2

         VALID ENTRIES:
         -1 Not in Universe
          1 Cigar
          2 Regular pipe filled with tobacco
          3 Hookah pipe
          4 E-cigarette
          5 Smokeless tobacco
          7 Cigar or regular pipe filled with tobacco
          8 Cigar or hookah pipe
          9 Cigar or regular pipe or hookah pipe
        10 Cigar or E-cigarette
        11 Cigar or regular pipe or E-cigarette
        12 Cigar or hookah pipe or E-cigarette
        13 Cigar or regular or hookah pipe or E-cigarette
        14 Cigar or smokeless tobacco
        17 Cigar or regular pipe or smokeless tobacco
        20 Cigar or hookah pipe or smokeless tobacco

NAME	SIZE	DESCRIPTION	LOCATION

23 Cigar or regular pipe filled or hookah pipe or smokeless tobacco
26 Cigar or regular pipe or E-cigarette or smokeless tobacco
29 Cigar or hookah pipe or E-cigarette or smokeless tobacco
32 Cigar, regular pipe, hookah pipe, E-cigarette or smokeless tobacco
35 Cigar or E-cigarette or smokeless tobacco
38 Regular pipe filled with tobacco or hookah pipe
39 Regular pipe filled with tobacco or E-cigarette
40 Hookah pipe or E-cigarette
41 Regular pipe or hookah pipe or E-cigarette
42 Regular pipe or smokeless tobacco
45 Hookah pipe or smokeless tobacco
48 Regular pipe or hookah pipe or smokeless tobacco
51 Regular pipe or E-cigarette or smokeless tobacco
54 Hookah pipe or E-cigarette or smokeless tobacco
57 Regular pipe or, hookah pipe or E-cigarette or smokeless tobacco
60 E-cigarette or smokeless tobacco

| PRJ3DF | 2 | Recode from fill in PEJ3d to determine which tobacco product is being discussed in PEJ3D | 1536-1537 |

VALID ENTRIES:
 -1 Not in Universe
  1 Cigar
  2 Regular pipe filled with tobacco
  3 Hookah pipe
  4 E-cigarette
  5 Smokeless tobacco
  7 Cigar or regular pipe filled with tobacco
  8 Cigar or hookah pipe
  9 Cigar or regular pipe or hookah pipe
10 Cigar or E-cigarette
11 Cigar or regular pipe or E-cigarette
12 Cigar or hookah pipe or E-cigarette
13 Cigar or regular or hookah pipe or E-cigarette
14 Cigar or smokeless tobacco
17 Cigar or regular pipe or smokeless tobacco
20 Cigar or hookah pipe or smokeless tobacco
23 Cigar or regular pipe filled or hookah pipe or smokeless tobacco
26 Cigar or regular pipe or E-cigarette or smokeless tobacco
29 Cigar or hookah pipe or E-cigarette or smokeless tobacco
32 Cigar, regular pipe, hookah pipe, E-cigarette or smokeless tobacco
35 Cigar or E-cigarette or smokeless tobacco
38 Regular pipe or hookah pipe
39 Regular pipe or E-cigarette
40 Hookah pipe or E-cigarette
41 Regular pipe or hookah pipe or E-cigarette
42 Regular pipe or smokeless tobacco
45 Hookah pipe or smokeless tobacco
48 Regular pipe or hookah pipe or smokeless tobacco
51 Regular pipe or E-cigarette or smokeless tobacco
54 Hookah pipe or E-cigarette or smokeless tobacco

NAME	SIZE	DESCRIPTION	LOCATION
		57 Regular pipe or, hookah pipe or E-cigarette or smokeless tobacco	
		60 E-cigarette or smokeless tobacco	
PRJ3F1F	2	Recode from fill in PEJ3f1 and PEJ3f2 to determine which tobacco product is being discussed in PEJ3f1and PEJ3f2	1538-1539

VALID ENTRIES:

-1 Not in universe

1 Smoking cigars… smoke your first cigar

2 Smoking regular pipes filled with tobacco …smoke your first regular pipe filled with tobacco

3 Smoking hookah pipes… smoke your first hookah pipe

4 Using E-cigarettes… use your first E-cigarette

5 Using smokeless tobacco… use your first smokeless tobacco

6 Smoking cigars/smoking regular pipes filled with tobacco… smoke your first cigar/smoke your first regular pipe filled with tobacco

7 Smoking cigars/smoking hookah pipes… smoke your first cigar/smoke your first hookah pipe

8 Smoking cigars/using E-cigarettes… smoke your first cigar/use your first E-cigarette

9 Smoking cigars/using smokeless tobacco … smoke your first cigar/use your first smokeless tobacco

10 Smoking regular pipes filled with tobacco/smoking hookah pipes…smoke your first regular pipe filled with tobacco/ smoke your first hookah pipe

11 Smoking regular pipes filled with tobacco/using E-cigarettes… smoke your first regular pipe filled with tobacco/use your first E-cigarette

12 Smoking regular pipes filled with tobacco/using smokeless tobacco… smoke your first regular pipe filled with tobacco/use your first smokeless tobacco

13 Smoking hookah pipes/using E-cigarettes… smoke your first hookah pipe/use your first E-cigarette

14 Smoking hookah pipes/using smokeless tobacco… smoke your first hookah pipe/use your first smokeless tobacco

15 Using E-cigarettes/using smokeless tobacco…use your first E-cigarette/use your first smokeless tobacco

16 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes… smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe

17 Smoking cigars/smoking regular pipes filled with tobacco/using E-cigarettes… smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first E-cigarette

18 Smoking cigars/smoking regular pipes filled with tobacco/using smokeless tobacco… smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first smokeless tobacco

19 Smoking cigars/smoking hookah pipes/using E-cigarettes…. smoke your first cigar/smoke your first hookah pipe/use your first E-cigarette

20 Smoking cigars/smoking hookah pipes/using smokeless tobacco…

smoke your first cigar/smoke your first hookah pipe/use your first smokeless tobacco

21 Smoking cigars/using E-cigarettes/using smokeless tobacco… smoke your first cigar/use your first E-cigarette/use your first smokeless tobacco

22 Smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes… smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette

23 Smoking regular pipes filled with tobacco/smoking hookah pipes/using smokeless tobacco… smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first smokeless tobacco

24 Smoking regular pipes filled with tobacco/using E-cigarettes/using smokeless tobacco… smoke your first regular pipe filled with tobacco/use your first E-cigarette/use your first smokeless tobacco

25 Smoking hookah pipes/using E-cigarettes/using smokeless tobacco…… smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco

26 Smoking cigars/smoking regular pipes filled with tobacco/ smoking hookah pipes/using E-cigarettes… smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette

27 Smoking cigars/smoking regular pipes filled with tobacco/ smoking hookah pipes/using smokeless tobacco… smoke your first cigar/smoke your first regular pipe filled with tobacco/ smoke your first hookah pipe/use your first smokeless tobacco

28 Smoking cigars/smoking regular pipes filled with tobacco/using E-cigarettes/using smokeless tobacco… smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first E-cigarette/use your first smokeless tobacco

29 Smoking cigars/smoking hookah pipes/using E- cigarettes/using smokeless tobacco… smoke your first cigar/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco

30 Smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes/using smokeless tobacco… smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco

31 Smoking cigars/smoking regular pipes filled with tobacco/ smoking hookah pipes/using E-cigarettes/using smokeless tobacco… smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco

NAME	SIZE	DESCRIPTION	LOCATION
PRJ3GF	2	Recode from fill in PEJ3g to determine which tobacco product is being discussed in PEJ3g	1540-1541

VALID ENTRIES:
-1 Not in universe

1 Smoking cigars… smoke your first cigar

2 Smoking regular pipes filled with tobacco …smoke your first regular pipe filled with tobacco

3 Smoking hookah pipes… smoke your first hookah pipe

4 Using E-cigarettes… use your first E-cigarette

5 Using smokeless tobacco… use your first smokeless tobacco

6 Smoking cigars/smoking regular pipes filled with tobacco… smoke your first cigar/smoke your first regular pipe filled with tobacco

7 Smoking cigars/smoking hookah pipes… smoke your first cigar/smoke your first hookah pipe

8 Smoking cigars/using E-cigarettes… smoke your first cigar/use your first E-cigarette

9 Smoking cigars/using smokeless tobacco … smoke your first cigar/use your first smokeless tobacco

10 Smoking regular pipes filled with tobacco/smoking hookah pipes…smoke your first regular pipe filled with tobacco/smoke your first hookah pipe

11 Smoking regular pipes filled with tobacco/using E-cigarettes… smoke your first regular pipe filled with tobacco/use your first E-cigarette

12 Smoking regular pipes filled with tobacco/using smokeless tobacco…smoke your first regular pipe filled with tobacco/use your first smokeless tobacco

13 Smoking hookah pipes/using E-cigarettes… smoke your first hookah pipe/use your first E-cigarette

14 Smoking hookah pipes/using smokeless tobacco… smoke your first hookah pipe/use your first smokeless tobacco

15 Using E-cigarettes/using smokeless tobacco... use your first E-cigarette/use your first smokeless tobacco

16 Smoking cigars/smoking regular pipes filled with tobacco/ smoking hookah pipes… smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe

17 Smoking cigars/smoking regular pipes filled with tobacco/using E-cigarettes… smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first E-cigarette

18 Smoking cigars/smoking regular pipes filled with tobacco/using smokeless tobacco… smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first smokeless tobacco

19 Smoking cigars/smoking hookah pipes/using E-cigarettes... smoke your first cigar/smoke your first hookah pipe/use your first E-cigarette

20 Smoking cigars/smoking hookah pipes/using smokeless tobacco...smoke your first cigar/smoke your first hookah pipe/ use your first smokeless tobacco

21 Smoking cigars/using E-cigarettes/using smokeless tobacco... smoke your first cigar/use your first E-cigarette/use your first smokeless tobacco

22 Smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes… smoke your first regular

pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette

23 Smoking regular pipes filled with tobacco/smoking hookah pipes/using smokeless tobacco...smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first smokeless tobacco

24 Smoking regular pipes filled with tobacco/using E-cigarettes/using smokeless tobacco...smoke your first regular pipe filled with tobacco/use your first E-cigarette/use your first smokeless tobacco

25 Smoking hookah pipes/using E-cigarettes/using smokeless tobacco...smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco

26 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes… smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette

27 Smoking cigars/smoking regular pipes filled with tobacco/smoking hookah pipes/using smokeless tobacco… smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first smokeless tobacco

28 Smoking cigars/smoking regular pipes filled with tobacco/using E-cigarettes/using smokeless tobacco… smoke your first cigar/smoke your first regular pipe filled with tobacco/use your first E-cigarette/use your first smokeless tobacco

29 Smoking cigars/smoking hookah pipes/using E- cigarettes/using smokeless tobacco… smoke your first cigar/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco

30 Smoking regular pipes filled with tobacco/smoking hookah pipes/using E-cigarettes/using smokeless tobacco...smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco

31 Smoking cigars/smoking regular pipes filled with tobacco/ smoking hookah pipes/using E-cigarettes/using smokeless tobacco...smoke your first cigar/smoke your first regular pipe filled with tobacco/smoke your first hookah pipe/use your first E-cigarette/use your first smokeless tobacco

NAME	SIZE	DESCRIPTION	LOCATION
PRJ4F	2	Recode from fill in PEJ4 to determine which tobacco product is being discussed in PEJ4	1542-1543

VALID ENTRIES:
-1 Not in universe
 1 Smoking cigars
 2 Smoking regular pipes
 3 Smoking water or hookah pipes
 4 Using an E-cigarette
 5 Using smokeless tobacco
 6 Using dissolvable tobacco

NAME	SIZE	DESCRIPTION	LOCATION

PRJ6BNMF   2   Recode from fill in PEJ6bnum and PEJ6bunt to see which tobacco   1544-1545
product is being discussed in PEJ6bnum and PEJ6bunt

    VALID ENTRIES:
     -1 Not in universe
      1 Smoking cigars
      2 Smoking regular pipes
      3 Smoking water or hookah pipes
      4 Using an E-cigarette
      5 Using smokeless tobacco
      6 Using dissolvable tobacco

PRSIFLG   2   Recode identifies person answering their own questions on the shorter   1546-1547
proxy path.

    If PENXTPR3=3 SET PRSIFLG=1
    ELSE IF (PENXTPR3=2 AND (PENXTPR5= PENXTPR)) SET
    PRSIFLG=2

    VALID ENTRIES:
     -1 Not in universe
      2 Self-response, but went down proxy path

PWNRWGT   10   Nonresponse weight (4 implied decimal places)   1548-1557

PWSRWGT   10   Self response weight (4 implied decimal places)   1558-1567

PEELGFLG   2   VALID ENTRIES: 1568-1569
     -1 Not in Universe
      1 Selected for Interview
      4 Not Selected for Interview

i Variables indicating either a number of cigarettes smoked during a time period or a price paid for cigarettes were subjected to disclosure avoidance techniques, by topcoding the value, and for the price paid items, rounding to the nearest five cents in addition to topcoding.

ATTACHMENT 8
SUPPLEMENT QUESTIONNAIRE

2018-2019 Tobacco Use Supplement to the Current Population Survey

MAY 2019 Fielding

Changes to the Universe of a few items (H11a,c,d and K6g) occurred across the 2018-19 survey wave. The May 2019 survey included a few items on heated tobacco products (K9INTRO, K9, K10) not previously included in July 2018 and January 2019. Please visit the NCI Tobacco Use Supplement to the current Population Survey (TUS-CPS) website for a single version that indicates all of the few differences among the 2018-19 wave- **https://cancercontrol.cancer.gov/brp/tcrb/ tus-cps/questionnaires.html** .

All skip paths should go to the next item unless otherwise instructed. All item questions accept don't know and refused as response. All <D> and <R> pre-codes are to be blind coded. Use blind coded <L> to go to END.

Allow Proxy interviews on the 4th callback for any selected self-respondent.

HHCPS-R ENTER LINE NUMBER FOR THE PERSON WHO IS REPORTING CPS INFO FOR ALL HH MEMBERS

|__| |

RANDOM_INDICATORS FOR SELF-RESPONSE SELECTION

PRESUP **This month we would also like to ask about your thoughts and experiences concerning tobacco use.**

FR: IF HOUSEHOLD HAS ONLY 1 OR 2 PERSONS 18 YEARS OR OLDER STATE:

"I need to ask each individual, age 18 years old and older, these questions."

FR: IF HOUSEHOLD HAS MORE THAN 2 PERSONS AGE 18 YEARS OR OLDER STATE:

"Two or three persons in this household, age 18 years and older, have been selected at random to answer these questions personally, that is, themselves."

ENTER (1) TO PROCEED

ENTER (F1) FOR IMPORTANCE OF RESPONDING

|_|

H_SUPP_I **Your answers to the tobacco questions are very important. The National Institutes of Health, FDA, CDC, and other researchers will use this information to measure changes in tobacco use and to help with policy-making and services.**

PRESS ENTER TO CONTINUE

NXTPR	ENTER LINE NO: |__|__| FOR [fill name]	HOUSEHOLD ROSTER
	LN Q NEED NAME M AGE
	01 (Person 1)
I (also) need to talk with [fill name/READ LIST OF NEEDED PERSONS]. Is he/she at home now/Are either of them at home now/Are any of them at home now)?	02 (Person 2)
	03 (Person 3)

NO ONE ELIGIBLE, SKIP TO FIN
(F10)
IF ANSWERED, JUMP FORWARD
(F3)

GET SELF RESPONSE ONLY.
WHEN DONE, F10 FOR CALLBACKS
CALLBACK #: [fill number]

(CNTRL-R) Respondent Refused for
someone else

ENTER LINE NUMBER FOR
INTERVIEW: |__|__|

NXTPR3   DO NOT ASK, INTERVIEWER CHECK ITEM

(ONLY TAKE A PROXY IF THIS IS THE 4TH CALLBACK FOR THE SELF-RESPONDENT OR THE PERSON WILL NOT RETURN BEFORE CLOSEOUT.)

Is this a Self or Proxy response?

(1) Self [GO TO A1]
(2) Proxy

|_|

EPROXY   DO NOT ASK

             POSSIBLE ERROR
             You have picked PROXY for [fill name] even though [fill name] is the current
             respondent.

             Are you currently talking to [fill name]?

             (1) Yes, SELF interview [GO TO A1]
             (2) No

             |_|

NXTPER5   DO NOT ASK | HOUSEHOLD ROSTER
             ENTER LINE NUMBER OF | LN NAME
             CURRENT RESPONDENT | 01   (Person 1)
             |__|__| | 02   (Person 2)
                                     | 03   (Person 3)

SECTION A. SCREENING FOR EVER/EVERY DAY/SOMEDAY SMOKING

A1   **(Have/Has) (you/name) smoked at least 100 cigarettes in (your/his/her) entire life?**

FR: 100 CIGARETTES = APPROXIMATELY 5 PACKS

(1) YES
(2) NO

> **BOX 0**
> IF A1 = 1, THEN GO TO A2
> IF A1 = 2, D OR R <u>AND</u> RESPONDENT IS BETWEEN AGE 18 AND 34, THEN GO TO A3
> ELSE, IF A1 = 2, D OR R, THEN GO TO SECTION J

A2   **How old (were/was) (you/name) when (you/he/she) first started smoking cigarettes FAIRLY REGULARLY?**

FR: "FAIRLY REGULARLY" OR "REGULARLY" REFERS TO AGE WHEN STARTED SMOKING CIGARETTES ON A ROUTINE BASIS AS OPPOSED TO AGE WHEN TRIED FIRST CIGARETTE.

ENTER (0) IF NEVER SMOKED REGULARLY
ENTER AGE (01 – AGE)

|___|___|

[IF A2 = 0, GO TO A2a]
[IF A2 <= 5, GO TO A2v]
[IF A2 > 5, D OR R, GO TO A3]

A2v   **I have recorded that (you/name) (were/was) [fill entry A2] years old when (you/he/she) started smoking cigarettes fairly regularly. Is that correct?**

(1) YES
(2) NO

|_|

[IF A2v = 1, GO TO A3]
[IF A2v = 2, GO TO A2]

A2a   You said that (you/name) never smoked regularly. How old (were/was) (you/name) the first time (you/he/she) smoked part or all of a cigarette?

ENTER AGE (01 – AGE):

|__|__|

[IF A2a > 5, D OR R, GO TO A3]
[IF A2a <= 5, GO TO A2av]

A2av I have recorded that (you/name) (were/was) [fill entry A2a years old) when you first smoked part or all of a cigarette. Is that correct?

(1) YES
(2) NO

|_|

[IF A2av = 1, GO TO A3]
[IF A2av = 2, GO TO A2a]

A3   **(Do/Does) (you/name) now smoke cigarettes every day, some days, or not at all?**

(1) EVERY DAY
(2) SOME DAYS
(3) NOT AT ALL

|__|

```
                              BOX 1
IF SELF RESPONDENT BETWEEN AGE 18 AND 34 WHO HAS NOT
SMOKED 100+ CIGARETTES (A1 = 2, D OR R) AND:
A3 = (2) SOME-DAY SMOKERS OR D OR R, THEN GO TO SECTION C
A3 = (1) EVERY DAY SMOKERS OR (3) NOT-AT-ALL SMOKERS, THEN
     GO TO SECTION J

ELSE, IF SELF RESPONDENT AND:
A3 = (1) EVERY DAY SMOKERS, THEN GO TO SECTION B
A3 = (2) SOME-DAY SMOKERS, THEN GO TO SECTION C
A3 = (3) NOT-AT-ALL SMOKERS, THEN GO TO SECTION H
A3 = D, R, THEN GO TO SECTION J

IF PROXY RESPONDENT, THEN GO TO SECTION J
```

SECTION B. EVERY-DAY SMOKER HISTORY/CONSUMPTION SERIES

B1 **On the average, about how many cigarettes do you now smoke each day?**

FR: ONE PACK USUALLY EQUALS 20 CIGARETTES. IF CONVERTING PACKS TO CIGARETTES, ALWAYS VERIFY CALCULATION WITH RESPONDENT.

ENTER NUMBER OF CIGARETTES PER DAY

|_||_| (1-99)

```
                              BOX 2
IF B1 = D OR R, GO TO B1a
IF B1 > 40, GO TO B1v
ELSE, GO TO B2
```

B1a **Would you say that, on average, you now smoke more or less than 20 cigarettes each day?**

(1) MORE
(2) LESS
(3) ABOUT 20 (ONE PACK)

|_|

[GO TO B2]

B1v **I have recorded that on the average, you now smoke [fill entry B1] cigarettes a day. Is that correct?**

(1) YES
(2) NO

|_|

[IF B1v = 1, D OR R, GO TO B2]
[IF B1v = 2, GO BACK TO B1 AND CORRECT]

B2 **Do you usually smoke menthol or non-menthol cigarettes?**

(1) MENTHOL
(2) NON-MENTHOL
(3) NO USUAL TYPE

|_|

B5a   How soon after you wake up do you typically smoke your first cigarette of the day?

FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS. ENTER (0) IF RESPONDENT INSISTS IT VARIES.

B5anum   ENTER NUMBER
|__|__| (0 – 90)

B5aunt   ENTER UNIT REPORTED
(1) MINUTES
(2) HOURS

|_|

```
                                  BOX 5
IF B5a = 0, D OR R, GO TO B5b
ELSE, GO TO BA6a
```

B5b   Would you say you smoke your first cigarette of the day within the first 30 minutes?

(1) YES
(2) NO
(3) VARIES— DO NOT READ

|_|

[GO TO BA6a]

BA6a Do you USUALLY BUY your own cigarettes?

(1) YES
(2) NO

|_|

[IF BA6a = 1, GO TO B6a]
[IF BA6a = 2, D OR R, GO TO B6e1]

B6a   Do you USUALLY buy your cigarettes by the pack or by the carton?

FR: A CARTON HAS 10 PACKS.

(1) PACK
(2) CARTON
(3) BUY BOTH PACKS AND CARTONS

|_|

```
┌─────────────────────────────────────────────────────────┐
│                         BOX 6                           │
│ IF B6a = 1, 3, D OR R, GO TO B6b                        │
│ IF B6a = 2, GO TO B6c                                   │
└─────────────────────────────────────────────────────────┘
```

B6b/B6b2   **What price did you pay for the LAST PACK of cigarettes you bought? Please report the cost after using discounts or coupons.**

FR: "PRICE PER PACK," ENTER "DOLLARS" ON THE FIRST SCREEN (B6b) AND ENTER "CENTS" ON THE NEXT SCREEN (B6b2)

B6b $_(0-99)
B6b2   .____(0-99)

[GO TO B6c4]

B6c/B6c2   **What price did you pay for the LAST CARTON of cigarettes you bought? Please report the cost after using discounts or coupons.**

FR: "PRICE PER CARTON," ENTER "DOLLARS" ON THE FIRST SCREEN (B6c) AND ENTER "CENTS" ON THE NEXT SCREEN (B6c2)

B6c $_ _ _(0-999)
B6c2   .____(0-99)

[GO TO B6c4]

B6c4   **Did you use coupons, rebates, or any other special promotions when you bought your LAST (fill appropriate term here from B6a responses…=1 or 3 or D or R, fill "PACK"; =2, fill "CARTON") of cigarettes?**

(1) YES
(2) NO

|_|

[GO TO B6d]

B6d/B6d1   **Did you buy your LAST (fill appropriate term here from B6a responses…=1 or 3 or D or R fill "PACK"; =2 fill "CARTON") of cigarettes in (fill respondent's state of residence) or in some other state?**

(1) IN RESPONDENT'S STATE OF RESIDENCE
(2) IN SOME OTHER STATE (INCLUDING DC)
(3) BOUGHT SOME OTHER WAY (INTERNET, OTHER COUNTRY, INDIAN
    RESERVATION)

|_|

```
                    BOX 7
IF B6d1 =1 ENTER AUTOMATICALLY RESPONDENT'S STATE OF
RESIDENCE IN B6d2, GO TO B6d3
IF B6d = 2, GO TO B6d2
IF B6d=3, GO TO B6dOTH
ELSE, GO TO B6e1
```

B6d2 In what other state did you buy your LAST (fill appropriate term here from B6a responses …= 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes?

|___|___| ENTER STATE ABBREVIATION –TEXT OF AT MOST 2 CHARACTERS -

[GO TO B6d3]

B6d3 Did you buy your LAST (fill appropriate term here from B6a responses…= 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes from an Indian reservation?

(1) YES
(2) NO

[GO TO B6e1]

B6dOTH   Was the "Other Way" in which you purchased your LAST (fill appropriate term here from B6a responses …= 1, 3, D or R, fill "PACK"; = 2 fill "CARTON") of cigarettes:

FR: READ THE FIRST THREE CHOICES

(1) In a foreign country or a duty-free shop
(2) From an Indian reservation OR
(3) By mail-order, phone or internet
(4) SOME OTHER WAY (NOT READ**)**

|_|

[GO TO B6e1]

B6e1   In the LAST 2 months, have you bought any SINGLE or INDIVIDUAL cigarettes?

FR: RESPONDENT MAY REFER TO IT AS A "LOOSIE" OR "LOOSE OUT OF THE PACK."

(1) YES
(2) NO

|_|

[IF B6e1 = 1, GO TO B6e31]
[IF B6e1 = 2, D OR R, GO TO B6e4]

B6e31 Did you buy your LAST SINGLE or INDIVIDUAL cigarette in (fill respondent's state of residence) or in some other state or other country?

(1) In respondent's state of residence
(2) In some other state (including DC)
(3) In another country
(4) BOUGHT SOME OTHER WAY (INTERNET, ETC.)

|__|

```
                          BOX 7B
IF B6e31 = 1, ENTER AUTOMATICALLY RESPONDENT'S STATE
OF RESIDENCE IN B6e32, GO TO B6e4
ELSE IF B6e31 = 2 OR 3, GO TO B6e32
ELSE, GO TO B6e4
```

B6e32   In what OTHER state or country did you buy your LAST SINGLE OR INDIVIDUAL cigarette?

FR: SPELL OUT THE STATE OR COUNTRY NAME.

_____ ENTER A TEXT OF AT MOST 40 CHARACTERS.

[GO TO B6e4]

B6e4   In the LAST 2 months, have you bought loose tobacco to roll-your-own cigarettes?

(1) YES
(2) NO

|_|

[GO TO B7c]

Past Smoking Behavior for Everyday Smokers

B7c   For how long have you smoked EVERY DAY?

FR: READ CHOICES 1-4

(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, OR

(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

|_|

[IF B2 = 1, GO TO B7c3]
[IF B2 = 2, 3, D OR R, GO TO B7c2]

B7c2   **Have you EVER smoked MENTHOL cigarettes for 6 months or more?**

(1) YES
(2) NO

|_|

[IF B7c2 = 1, THEN GO TO B7c3 AND USE THE APPROPRIATE FILL IN B7c3
("…did you smoke…..")]
[ELSE, GO TO B8]

B7c3   **For how long [fill "have you smoked" for those with a B2 = 1/ "did you smoke" for B7c2 = 1] MENTHOL cigarettes?**

FR: READ CHOICES 1-4

(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, or
(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

|_|

[GO TO B8]

B8   **Around this time 12 MONTHS AGO, were you smoking cigarettes every day, some days, or not at all?**

(1) EVERY DAY
(2) SOME DAYS
(3) NOT AT ALL

|_|

[IF B8 = 1, GO TO B9]
[IF B8 = 2, GO TO B10A]
[IF B8 = 3, D OR R, GO TO D1R (3RD QUESTION IN QUIT ATTEMPT SECTION)]

B9   **Around this time 12 MONTHS AGO, on the average, about how many cigarettes did you smoke each day?**

FR: ONE PACK USUALLY EQUALS 20 CIGARETTES. IF CONVERTING PACKS TO CIGARETTES, ALWAYS VERIFY CALCULATION WITH RESPONDENT.

ENTER NUMBER OF CIGARETTES PER DAY

|_||_| (1-99)

```
                          BOX 7C
IF B9 = D OR R, GO TO D1R (3rd QUESTION IN QUIT ATTEMPT
SECTION)
IF B9 > 40, GO TO B9v
ELSE, GO TO D1R (3rd QUESTION IN QUIT ATTEMPT SECTION)
```

B9v   **I have recorded that on the average, you smoked [fill entry B9] cigarettes a day 12 months ago. Is that correct?**

(1) YES
(2) NO

|_|

[IF B9v = 2, GO BACK TO B9 AND CORRECT]
[IF B9v =1, D OR R, GO TO D1R (3rd QUESTION IN QUIT ATTEMPT SECTION)]

B10a **Around this time 12 MONTHS AGO, on how many of the 30 days in the month did you smoke cigarettes?**

FR: ENTER (0) FOR NONE

|___|___| Range 0-30

```
                          BOX 7D
IF B10a = 0 OR 30, GO TO B10av
ELSE, GO TO B10b
```

B10av You said that you smoked cigarettes some days. Is that correct?

(1) YES
(2) NO

|_|

```
┌─────────────────────────────────────────────────────────────┐
│                          BOX 7E                              │
│ IF (B10av = 1 AND B10a = 30), OR B10av = D, R, GO TO B10b    │
│ IF B10av = 1 AND B10a = 0, GO TO D1R (3rd QUESTION IN QUIT   │
│ ATTEMPT SECTION)                                             │
│ IF B10av = 2, GO BACK TO B8 AND CORRECT                      │
└─────────────────────────────────────────────────────────────┘
```

B10b On the average, on those [If B10a = 1-30 (Fill entry B10a days) If B10a = D, R (Fill days you smoked)], how many cigarettes did you usually smoke each day?

      FR: WE ARE STILL TALKING ABOUT "AROUND THIS TIME 12 MONTHS AGO"

      |__|__| (1-99)

      [IF B10b > 40, GO TO B10bv]
      [ELSE, GO TO D1R (3rd QUESTION IN QUIT ATTEMPT SECTION)]

B10bv I have recorded that on the average, when you smoked on those [fill entry B10a] days, you smoked [fill entry B10b] cigarettes a day. Is that correct?

      (1) YES
      (2) NO

      |_|

      [IF B10bv = 2, GO BACK TO B10b AND CORRECT]
      [ELSE, EVERY-DAY SMOKERS (A3 = 1) GO TO D1R (3rd QUESTION IN QUIT ATTEMPT SECTION)]

SECTION C. SOME-DAY SMOKER SERIES

C1 **On how many of the past 30 days did you smoke cigarettes?**

FR: ENTER (0) FOR NONE

|__|__| (0-30)

```
                            BOX 9
IF RESPONDENT BETWEEN AGE 18 AND 34 WHO HAS NOT
SMOKED 100+ CIGARETTES (A1 = 2, D OR R) AND NOW SMOKES
SOME DAYS (A3 = 2, D OR R), GO TO SECTION J

ELSE, IF C1 = 0 OR 30, GO TO C1v
ELSE, IF C1 = D OR R, GO TO C1i
ELSE, GO TO C1a
```

C1v **You said that you smoked cigarettes some days. Is that correct?**

(1) YES
(2) NO

|__|

```
                            BOX 10
IF C1v = 1 AND C1 = 30, GO TO C1a
IF C1v = 1 AND C1 = 0, GO TO C2
IF C1v = 2, GO TO A3
IF C1v = D OR R, GO TO C1a
```

C1i **Would you say you smoked on AT LEAST 12 DAYS in the past 30 days?**

(1) YES
(2) NO

|_|

C1a **On the average, on those [C1 days IF entry for C1 NE D/R, OR "AT LEAST 12 days" IF C1i = 1 YES] days, how many cigarettes did you usually smoke each day?**

|__|__| IF < = (LESS THAN OR EQUAL TO) 40, THEN GO TO C2

[IF C1a > 40, GO TO C1av]
[IF C1a = D OR R, GO TO C2]

C1av I have recorded that on the average, when you smoked on those [C1 / AT LEAST 12] days, you smoked [C1a] cigarettes a day. Is that correct?

(1) YES
(2) NO

|_|

[IF C1av = 1, D OR R, GO TO C2]
[IF C1av = 2, GO TO C1a]

C2   Do you usually smoke menthol or non-menthol cigarettes?

(1) MENTHOL
(2) NON-MENTHOL
(3) NO USUAL TYPE

|_|

[GO TO C5a]

C5a   On the days that you smoke, how soon after you wake up do you typically smoke your first cigarette of the day?
FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS. ENTER
(0) IF RESPONDENT INSISTS IT VARIES

C5anum   ENTER NUMBER
|__|__| (0 – 90)

C5aunt   ENTER UNIT REPORTED
(1) MINUTES
(2) HOURS
|_|

```
                        BOX 13
IF C5a = 0, D OR R, GO TO C5b
ELSE, GO TO CA6a
```

C5b   On the days that you smoke, would you say you smoke your first cigarette of the day within the first 30 minutes?

(1) YES
(2) NO
(3) VARIES— DO NOT READ

|_|

[GO TO CA6a]

CA6a Do you USUALLY BUY your own cigarettes?

> (1) YES
> (2) NO
>
> |_|
>
> [IF CA6a = 1, GO TO C6a]
> [IF CA6a = 2, D OR R, GO TO C6e1]

C6a   Do you USUALLY buy your cigarettes by the pack or by the carton?

> FR: A CARTON HAS 10 PACKS
>
> (1) PACK
> (2) CARTON
> (3) BUY BOTH PACKS AND CARTONS
>
> |__|

> | BOX 14 |
> | --- |
> | IF C6a = 1, 3, D OR R, GO TO C6b |
> | IF C6a = 2, GO TO C6c |

C6b/C6b2 What price did you pay for the LAST PACK of cigarettes you bought? Please report the cost after using discounts or coupons.

> FR: PRICE PER PACK
>
> $_____C6b (0-99) ENTER DOLLARS PORTION OF THE PRICE PER PACK
> ._____C6b2 (0-99) ENTER THE CENTS PORTION OF THE PRICE PER PACK
>
> [GO TO C6c4]

C6c/C6c2 What price did you pay for the LAST carton of cigarettes you bought? Please report the cost after using discounts or coupons.

> FR: PRICE PER CARTON
>
> $ C6c (0-999) ENTER THE DOLLARS PORTION OF THE PRICE PER CARTON
> ._   C6c2 (0-99) ENTER THE CENTS PORTION OF THE PRICE PER CARTON
>
> [GO TO C6c4]

C6c4   Did you use coupons, rebates, or any other special promotions when you bought your LAST (fill appropriate term here from C6a responses…= 1 or 3 or D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes?

(1) YES
(2) NO

|_|

[GO TO C6d1]

C6d1 Did you buy your LAST (fill appropriate term here from C6a responses …= 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes in [fill respondent's state of residence] or in some other state?

(1) IN RESPONDENT'S STATE OF RESIDENCE
(2) IN SOME OTHER STATE (INCLUDING DC)
(3) BOUGHT SOME OTHER WAY (INTERNET, OTHER COUNTRY, INDIAN
    RESERVATION...)

|__|

```
                    BOX 15
IF C6d1 =1, ENTER AUTOMATICALLY RESPONDENT'S STATE OF
RESIDENCE IN C6d2, GO TO C6d3
ELSE IF C6d1 = 2, GO TO C6d2
ELSE IF C6d1 = 3, GO TO C6dOTH
ELSE, GO TO C6e1
```

C6d2 In what other state did you buy your LAST (fill appropriate term here: pack/carton from C6a responses … = 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes?

|__|__| ENTER 2 CHARACTER STATE ABBREVIATION

[GO TO C6d3]

C6d3 Did you buy your LAST (fill appropriate term here from C6a responses … = 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes from an Indian reservation?

(1) YES
(2) NO

|_|

[GO TO C6e1]

C6dOTH Was the "Other Way" in which you purchased your LAST (fill appropriate term here from C6a responses …= 1, 3, D or R, fill "PACK"; = 2, fill "CARTON") of cigarettes…

FR: READ THE FIRST THREE CHOICES

(1) In a foreign country or a duty-free shop
(2) From an Indian reservation or
(3) By mail-order, phone or internet
(4) SOME OTHER WAY (NOT READ)

|_|

[GO TO C6e1]

C6e1   In the LAST 2 months, have you bought any SINGLE or INDIVIDUAL cigarettes?

FR: RESPONDENT MAY REFER TO IT AS A "LOOSIE" OR "LOOSE OUT OF THE PACK.

(1)   YES (BOUGHT)
(2)   NO (DID NOT BUY)

[IF C6e1 = 1, GO TO C6e31]
[IF C6e1 = 2, D OR R, GO TO C6e4]

C6e31 Did you buy your LAST SINGLE or INDIVIDUAL cigarette in [fill respondent's state of residence] or in some other state or other country?

(1)   IN RESPONDENT'S STATE OF RESIDENCE
(2)   IN SOME OTHER STATE (INCLUDING DC)
(3)   IN ANOTHER COUNTRY
(4)   BOUGHT SOME OTHER WAY (INTERNET, ETC…)

|__|

```
                          BOX 15B
IF C6e31 =1, ENTER AUTOMATICALLY RESPONDENT'S STATE
OF RESIDENCE IN C6e32, GO TO C6e4
IF C6e31 = 2 OR 3, GO TO C6e32
ELSE, GO TO C6e4
```

C6e32 In what OTHER state or other country did you buy your LAST SINGLE OR INDIVIDUAL cigarette?

_____FR: SPELL OUT THE STATE OR COUNTRY NAME. ENTER A TEXT OF AT MOST 40 CHARACTERS]

[GO TO C6e4]

C6e4   In the LAST 2 months, have you bought loose tobacco to roll-your-own cigarettes?

(1) YES
(2) NO

|_|

[GO TO C7a]

Past Smoking Behavior for Some-Day Smokers

C7a   Have you EVER smoked cigarettes EVERY DAY for at least 6 months?

(1) YES
(2) NO

|_|

[IF C7a = 1, GO TO C7d]
[IF C7a = 2, D OR R, AND IF C2 = 1, GO TO C7d3]
[ELSE IF C7a = 2, D OR R, AND C2 = 2, 3, D OR R, GO TO C7d2]

C7d   For how long did you smoke EVERY DAY?

FR: READ CHOICES 1-4

(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, OR
(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

|_|

[IF C2 = 1, GO TO C7d3]
[IF C2 = 2, 3, D OR R, GO TO C7d2]

C7d2 Have you EVER smoked MENTHOL cigarettes for 6 months or more?

(1) YES
(2) NO

|_|

[IF C7d2 = 1, THEN GO TO C7d3 and fill C7d3 with "did you smoke"]
[IF C7a = 2, D OR R, GO TO C8]
[ELSE, GO TO C7e]

C7d3 For how long [fill "have you smoked" for C2 = 1 / fill "did you smoke" for C7d2 = 1] MENTHOL cigarettes?

FR: READ CHOICES 1-4

(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, OR
(4) Less than half the years you have smoked

(5) IF VOLUNTEERED: LESS THAN ONE YEAR

|_|

[IF C7a = 2, D OR R, GO TO C8]
[ELSE, GO TO C7e]

C7e   When you last smoked every day, on average how many cigarettes did you smoke each day?

FR: ENTER NUMBER OF CIGARETTES EACH DAY

|__|__| (1-99)
[IF C7e $<=$ 40, GO TO C8]
[IF C7e > 40, GO TO C7ev]
[IF C7e = D OR R, GO TO C8]

C7ev I have recorded that when you last smoked every day, on the average you smoked [fill entry C7e] cigarettes each day. Is that correct?

(1) YES
(2) NO

|_|

[IF C7ev = 1, D OR R, GO TO C8]
[IF C7ev = 2, GO TO C7e]

C8   **Around this time 12 MONTHS AGO, were you smoking cigarettes every day, some days, or not at all?**

(1) Every day
(2) Some days
(3) Not at all

|_|

[IF C8 = 1, GO TO C9]
[IF C8 = 2, GO TO C10a]
[IF C8 = 3, D OR R, GO TO BOX 18]

C9   **Around this time 12 MONTHS AGO, on the average, about how many cigarettes did you smoke each day?**

FR: ONE PACK USUALLY EQUALS 20 CIGARETTES. IF CONVERTING PACKS TO CIGARETTES, ALWAYS VERIFY CALCULATION WITH RESPONDENT.

ENTER NUMBER OF CIGARETTES PER DAY

|_||_| (1-99)

```
                        BOX16B
IF C9 = D OR R, GO TO BOX 18
IF C9 > 40, GO TO C9v
ELSE, GO TO BOX 18
```

C9v   **I have recorded that on the average, you smoked [fill entry C9] cigarettes a day 12 months ago. Is that correct?**

(1) YES
(2) NO

|_|

[IF C9v = 1, D OR R, GO TO BOX 18]
[IF C9v = 2, GO TO C9]

C10a Around this time 12 MONTHS AGO, on how many of the 30 days in the month did you smoke cigarettes?

FR: ENTER (0) FOR NONE

|__|__| (0 – 30)

```
                        BOX 16C
IF C10a = 0 OR 30, GO TO C10av
If C10a = D OR R, GO TO C10b
ELSE, GO TO C10b
```

C10av You said that you smoked cigarettes some days. Is that correct?

(1) YES
(2) NO

|__|

```
                        BOX 16D
IF (C10av = 1 AND C10a= 30), OR C10av = D OR R, GO TO C10b
ELSE, IF C10av = 1 AND C10a = 0, GO TO BOX 18
ELSE, IF C10av = 2, GO TO C8 AND CORRECT
ELSE, GO TO C10b
```

C10b On the average, on those [fill entry C10a days; If C10a=D OR R, then fill with "days you smoked"], how many cigarettes did you usually smoke each day?

We are still talking about "around this time 12 months ago."

|__|__| (1-99)

[IF C10b < = 40, GO TO BOX 18]
[IF C10b > 40, GO TO C10bv]
[IF C10b = D OR R, GO TO BOX 18]

C10bv I have recorded that on the average, when you smoked on those [fill entry C10a days; If C10a = D OR R, then fill with "days you smoked"], you smoked [fill entry C10b] cigarettes a day. Is that correct?

(1) YES
(2) NO

|__|

[IF C10bv = 2, GO TO C10b AND CORRECT]

```
                        BOX 18
IF ENTRY IN C1 > = 12 DAYS IN THE PAST 30 DAYS, GO TO D1R
(3rd question in Section D)
ELSE, IF C1i = 1, GO TO D1R (3rd question in Section D)
ELSE, IF ENTRY IN C1 < 12, GO TO Da
ELSE, IF C1i = 2, D OR R, GO TO Da
```

SECTION D. PAST 12-MONTH QUIT ATTEMPTS FOR CURRENT EVERY-DAY AND SOME-DAY SMOKERS

PAST 12-MONTH QUIT ATTEMPTS FOR SOME-DAY SMOKERS SMOKING <12 DAYS IN THE PAST 30 DAYS

Da **During the PAST 12 MONTHS, have you TRIED to QUIT smoking COMPLETELY?**

(1) YES
(2) NO

|_|

[IF Da = 1, GO TO D3b]
[IF Da = 2, D OR R, GO TO Db]

Db **Have you EVER TRIED to QUIT smoking COMPLETELY?**

(1) YES
(2) NO

|_|

[GO TO F1a]

PAST 12-MONTH QUIT ATTEMPTS FOR EVERY-DAY AND SOME-DAY SMOKERS >=12 DAYS DURING THE PAST 30 DAYS

Quit attempts of 1 day or longer:

D1R **During the PAST 12 MONTHS, have you stopped smoking for ONE DAY or longer BECAUSE YOU WERE TRYING TO QUIT SMOKING?**

(1) YES
(2) NO

/_/

[IF D1R = 1, GO TO D3]
[IF D1R = 2, D OR R, GO TO D7R]

D3   **How many TIMES during the past 12 months have you stopped smoking for one day or longer BECAUSE YOU WERE TRYING TO QUIT SMOKING?**

FR: READ CHOICES

(1)   Once (1 time)
(2)   2-3 times
(3)   4 or more times

/__/

```
                               BOX 19
IF D3 = D OR R, GO TO D3b
ELSE, IF D3 = 1, GO TO D6
ELSE, IF D3 = 2 OR 3, GO TO D6c
```

D3b   **Would you say that during the past 12 months it was MORE THAN 3 TIMES that you…[*fill* "have stopped smoking for one day or longer BECAUSE YOU WERE TRYING TO QUIT SMOKING?" IF D3 = D, R; *fill* "TRIED to QUIT smoking COMPLETELY?" IF Da = 1]**

(1) YES
(2) NO

/_/

[GO TO D6c]

D6   **During the PAST 12 MONTHS, what is the LENGTH of time of this single quit attempt where you stopped smoking because you were TRYING to quit smoking?**

FR NOTE: IF QUIT ATTEMPT BEGAN MORE THAN 12 MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS, COUNT ALL OF IT.

D6num   ENTER NUMBER (1 - 99)

|__|__|

D6unt   ENTER UNIT REPORTED

(1) DAYS
(2) WEEKS
(3) MONTHS
(4) YEARS

/_/

```
BOX 20
IF D6num AND/OR D6unt = D OR R, GO TO D6b
IF D6num >18 AND D6unt = 2, GO TO D6v
IF D6num > 12 AND D6unt=3, GO TO D6v
IF D6num >2 AND D6unt = 4, GO TO D6v
ELSE, GO TO SECTION E
```

D6v   I have recorded that the length of time of this single quit attempt where you stopped smoking in the past 12 months because you were TRYING to quit smoking was [fill entry D6num and D6unt]? Is that correct?

(1) YES
(2) NO

/_/

[IF D6v = 1, GO TO SECTION E BOX 21]
[IF D6v = 2, GO TO D6num]

D6b   Was it more or less than one week?

(1) MORE
(2) LESS
(3) ONE WEEK

|_|

[GO TO SECTION E, BOX 21]

D6c   Thinking of those attempts during the past 12 months, what was the length of time of the ONE attempt that lasted the longest?

FR NOTE: IF QUIT ATTEMPT BEGAN MORE THAN 12 MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS, COUNT ALL OF IT.

D6cnum ENTER NUMBER (1 - 99)

|__|__|

D6cunt   ENTER UNIT REPORTED

(1) DAYS
(2) WEEKS
(3) MONTHS
(4) YEARS

/_/

8-25

```
                        BOX 20B
IF D6cnum AND/OR D6cunt = D OR R, GO TO D6c2
IF D6cnum >18 AND D6cunt = 2, GO TO D6cv
IF D6cnum > 12 AND D6cunt = 3, GO TO D6cv
IF D6cnum >2 AND D6cunt = 4, GO TO D6cv
ELSE, GO TO SECTION E, BOX 21
```

D6cv I have recorded that the length of time of your LONGEST single quit attempt where you stopped smoking in the past 12 months because you were TRYING to quit smoking was [fill entry D6cnum and D6cunt]? Is that correct?

(1) YES
(2) NO

/_/

[IF D6cv = 1, GO TO SECTION E BOX 21]
[IF D6cv = 2, GO TO D6cnum]

D6c2 Was it more or less than one week?

(1) MORE
(2) LESS
(3) ONE WEEK

|_|

[GO TO SECTION E, BOX 21]

Quit attempts of less than a day (if no quit attempts lasting for one DAY or more):

D7R DURING THE PAST 12 MONTHS, have you made a serious attempt to stop smoking because you were TRYING to quit – even if you stopped for less than a day?

(1) YES
(2) NO

/_/

[IF D7R = 1, GO TO SECTION E, BOX 21]
[IF D7R = 2, D OR R, GO TO D8R]

D8R **Have you EVER made a serious attempt to stop smoking because you were TRYING to quit – even if you stopped for less than a day?**

(1) YES
(2) NO

/_/

[GO TO F1a]

> BOX 21
> IF D3 = 1, THEN FILL ALL OF E1a, E1b, E1c SERIES WITH "The time"
> ELSE, FILL ALL OF E1a, E1b, E1c SERIES WITH "The LAST TIME"

E1a   **Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months:**

Did you use ANY of the following PRODUCTS:

(1) YES
(2) NO

E1a123   **|_| A NICOTINE ….. patch, gum, lozenge, nasal spray or inhaler?**

FR: REPEAT THE WORD "NICOTINE" AS NEEDED FOR EACH OF THOSE NICOTINE PRODUCTS

E1a7ab   **|_| A prescription pill, called Chantix, Varenicline, Zyban, Bupropion, or Wellbutrin?**

FR: CHANTIX IS PRONOUNCED ["CHAN-tix"] AND VARENICLINE IS PRONOUNCED ["va-REN-i-cleen"].
FR: ZYBAN IS PRONOUNCED ["ZYE-ban"], BUPROPION IS PRONOUNCED ["byoo-PROE-pee-on"] AND WELLBUTRIN IS PRONOUNCED ["well-byoo-trin"].

E1b   **Thinking back to the (LAST TIME/time) you tried to QUIT smoking in the past 12 months:**

Did you use ANY of the following:

(1) YES
(2) NO

E1b1   **|_| A telephone help line or quit line?**

E1b2   **|_| One-on-one IN-PERSON counseling by a health professional?**

E1b3   **|_| A stop smoking clinic, class, or support group?**

E1b5   **|_| Internet or web-based program or tool including smartphone apps and text messaging programs?**

E1c   The (LAST TIME / time) you tried to QUIT smoking in the past 12 months: Did you do ANY of the following:

FR: FOR THIS QUESTION, RE-READ STEM PERIODICALLY

(1) YES
(2) NO

E1c2 |_| **Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff, or snus?**
FR: PRONOUNCE "SNUS" TO RHYME WITH "GOOSE."

E1c2b |_| **Try to quit by SWITCHING to regular cigars, cigarillos, little filtered cigars or ANY pipes filled with tobacco?**
FR: IF ASKED "ANY PIPES FILLED WITH TOBACCO" INCLUDES EITHER OR BOTH "REGULAR/TRADITIONAL" PIPES AND "WATER OR HOOKAH" PIPES --AS LONG AS THEY ARE FILLED WITH TOBACCO. ALSO, CIGARS SHOULD BE FILLED WITH TOBACCO.

[IF E1c2b = 2, D OR R, GO TO E1c2c]
[ELSE, GO TO E1c2d]

E1c2c |_| **Try to quit by SWITCHING to electronic or E-cigarettes? You may also know them as vape-pens, e-hookahs, vapes or mods. Some popular brands include NJOY, Blu, Logic, Vuse and JUUL (*PRONOUNCED LIKE "JEWEL"*).**

[GO TO F1a]

E1c2d   **Did you switch to… .....?**

(1) YES
(2) NO

E1c2d1 |_| **Cigars, cigarillos, little filtered cigars**

E1c2d2 |_| **Regular pipes filled with tobacco**

E1c2d3 |_| **Water or hookah {pronounced who-kah} pipes filled with tobacco**

E1cZ2c The (LAST TIME/ time) you tried to quit smoking in the past 12 months, did you try to quit by SWITCHING to electronic or E-cigarettes? You may also know them as vape-pens, e-hookahs, vapes or mods. Some popular brands include NJOY, Blu, Logic, Vuse and JUUL (*PRONOUNCED LIKE "JEWEL"*).

(1) YES
(2) NO

|_|

[GO TO F1a]

SECTION F. DOCTOR/DENTIST ADVICE TO STOP SMOKING --- CURRENT AND SOME-DAY SMOKERS

F1a　　**In the PAST 12 MONTHS have you SEEN a medical doctor?**
FR: RESPONDENTS SHOULD ANSWER "YES" IF THEY VISITED THEIR DOCTOR FOR ANY MEDICAL REASON (NOT ONLY FOR SMOKING RELATED REASONS).

(1) YES
(2) NO

/_/

[IF F1a = 1, GO TO F1b]
[IF F1a = 2, D OR R, GO TO G1]

F1b　　**During the PAST 12 MONTHS, did any medical doctor ADVISE you to stop smoking?**

(1) YES
(2) NO

/_/

[GO TO G1]

SECTION G. STAGES OF CHANGE – EVERY DAY/SOME-DAY SMOKERS

G1   **Are you seriously considering quitting smoking within the next 6 months?**

(1) YES
(2) NO

/_/

[IF G1 = 1, GO TO G2]
[IF G1 = 2, D OR R, GO TO G3]

G2   **Are you planning to quit within the next 30 days?**

(1) YES
(2) NO

/_/

[GO TO G3]

G3   **Overall, on a scale from 1 to 10 where 1 is NOT AT ALL interested and 10 is EXTREMELY interested, how interested are you in quitting smoking?**

FR: Enter a numeric value between 1 and 10.

|_|

[IF G3 = 1, GO TO SECTION J]
[ELSE, GO TO G4]

G4   **If you did try to quit smoking altogether in the next 6 months, how LIKELY do you think you would be to succeed --- not at all, a little likely, somewhat likely or very likely?**

(1) NOT AT ALL
(2) A LITTLE LIKELY
(3) SOMEWHAT LIKELY
(4) VERY LIKELY

|_|

[ALL EVERY DAY/SOME DAY SMOKERS (A3 = 1 OR 2) GO TO SECTION J]

SECTION H. FORMER SMOKER SECTION

H1NUM/UNT About how long has it been since you COMPLETELY quit smoking cigarettes?

    H1NUM ENTER NUMBER
           |__|__| (1-99)

    H1UNT ENTER UNIT REPORTED

        (1) DAYS
        (2) WEEKS
        (3) MONTHS
        (4) YEARS

        |_|

```
                          BOX 24
IF H1NUM> 18 AND H1UNT= 2, GO TO H1v
IF H1NUM > 30 AND H1UNT = 3, GO TO H1v
IF H1NUM > (AGE - [ENTRY A2]) AND H1UNT= 4, THEN GO TO
H1ERR
ELSE IF H1NUM/UNT IS LESS THAN 5 MONTHS (OR
EQUIVALENT), GO TO H1B
ELSE GO TO H2
```

H1ERR   *** FR DO NOT READ ***

        It was reported (in item A2) that this person first started smoking greater than [fill AGE - (entry to A2)] years ago. Response of [fill entry H1NUM/UNT] (in item H1NUM/UNT) is inconsistent.

        (B) Back to correct

        |_|

        [GO TO H1NUM]

H1v   I have recorded that it has been about [fill entry H1NUM and H1UNT] since you completely quit smoking cigarettes? Is that correct?

(1) YES
(2) NO

/_/

[IF H1v = 1 AND IF H1NUM/UNT IS LESS THAN 5 MONTHS (OR EQUIVALENT), GO TO H1B]
[ELSE IF H1v = 1, GO TO H2]
[IF H1v = 2, GO TO H1NUM]

H1B   In the PAST 12 months, was [enter duration from H1NUM/UNT] the longest time you stopped smoking cigarettes because you were trying to quit?

(1) YES
(2) NO

/_/

[IF H1B = 2, GO TO H1C]
[ELSE, IF H1B = 1, D OR R, GO TO H2]

H1C   During the PAST 12 MONTHS, what WAS the LONGEST length of time you stopped smoking because you were TRYING to quit smoking?

OR

Thinking of your attempts to quit during the past 12 months, what was the length of time of the ONE attempt that lasted the longest?

FR: IF QUIT ATTEMPT BEGAN MORE THAN 12 MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS, COUNT ALL OF IT.

H1Cnum   ENTER NUMBER

|__|__| (1 - 99)

H1Cunt   ENTER UNIT REPORTED

(1) DAYS
(2) WEEKS
(3) MONTHS
(4) YEARS

|_|

```
                        BOX 25
IF H1Cnum AND/OR H1Cunt = D OR R, GO TO H2
IF H1Cnum > 18 AND H1Cunt = 2, GO TO H1Cv
IF H1Cnum > 12 AND H1Cunt = 3, GO TO H1Cv
IF H1Cnum > 2 AND H1Cunt = 4, GO TO H1Cv
ELSE, GO TO H2
```

H1Cv I have recorded that the LONGEST length of time you stopped smoking in the past 12 months because you were TRYING to quit smoking was [fill entry H1C num and H1Cunt]? Is that correct?

(1) YES
(2) NO

/_/

[IF H1Cv = 1, GO TO H2]
[IF H1Cv = 2, GO TO H1Cnum]

H2   Have you EVER smoked cigarettes EVERY DAY for at least 6 months?

(1) YES
(2) NO

/_/

[IF H2 = 1, GO TO H5]
[IF H2 = 2, D OR R, GO TO BOX 26]

H5   For how long did you smoke EVERY DAY?

FR: READ FIRST 4 CHOICES

(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, or
(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

|_|

H5a When you last smoked every day, on average how many cigarettes did you smoke each day?

FR: ENTER NUMBER OF CIGARETTES EACH DAY

|__|__| (1-99)

[IF H5a < = 40, D OR R, GO TO BOX 26
[IF H5a > 40, GO TO H5av]

H5av I have recorded that when you last smoked every day, on the average you smoked [fill entry H5a] cigarettes each day. Is that correct?

(1) YES
(2) NO

/__/

[IF H5av = 1, GO TO BOX 26]
[IF H5av = 2, GO TO H5a]

```
                              BOX 26

IF H1 < = (LESS THAN OR EQUAL TO) 1 YEAR (12 MONTHS, 52
WEEKS, 99 DAYS), GO TO H6
ELSE, GO TO H11a
```

H6   Around this time 12 MONTHS AGO, were you smoking cigarettes every day, some days, or not at all?

(1) Every day
(2) Some days
(3) Not at all

|_|

[IF H6 = 1, GO TO H6A]
[IF H6 = 2, GO TO H6B]
[IF H6 = 3, D OR R, GO TO H6C2]

H6A   Around this time 12 MONTHS AGO, on the average, about how many cigarettes did you smoke each day?

FR: ONE PACK USUALLY EQUALS 20 CIGARETTES. IF CONVERTING PACKS TO CIGARETTES, ALWAYS VERIFY CALCULATION WITH RESPONDENT.

ENTER NUMBER OF CIGARETTES PER DAY

|_||_| (1-99)

```
                            BOX 26A
IF H6A > 40, GO TO H6Av
ELSE, GO TO H6C2
```

H6Av I have recorded that on the average, you smoked [fill entry H6A] cigarettes a day 12 months ago. Is that correct?

(1) YES
(2) NO

/_/

[IF H6Av = 1, GO TO H6C2]
[IF H6Av = 2, GO TO H6A TO CORRECT]

H6B   Around this time 12 MONTHS AGO, on how many of 30 days in the month did you smoke cigarettes?

FR: ENTER (0) FOR NONE

|__|__| (0-30)

```
                            BOX 26B
IF H6B = 0 OR 30, THEN GO TO H6Bv
ELSE, GO TO H6C
```

H6Bv You said that you smoked cigarettes some days. Is that correct?

(1) YES
(2) NO

/__/

```
                            BOX 26C
IF H6Bv = 1 AND H6B = 30, GO TO H6C
ELSE, IF H6Bv = 1 AND H6B = 0, GO TO H6C2
ELSE, IF H6Bv = 2, GO TO H6
```

H6C   On the average, on those [fill entry H6B] days, how many cigarettes did you usually smoke each day?

We are still talking about "around this time 12 months ago".

|___|___|

[IF H6C < = 40, D OR R, GO TO H6C2]
[ELSE, GO TO H6Cv]

H6Cv I have recorded that on the average, when you smoked on those [fill entry H6B] days, you smoked [fill entry H6C] cigarettes a day. Is that correct?

(1) YES
(2) NO

/_/

[IF H6Cv = 2, GO TO H6C]
[IF H6Cv = 1, GO TO H6C2**]**

H6C2 Thinking back to the 12 MONTHS BEFORE YOU QUIT SMOKING CIGARETTES, during that time, did you usually smoke menthol or non-menthol cigarettes?

(1) MENTHOL
(2) NON-MENTHOL
(3) NO USUAL TYPE

|_|

[IF H6C2 = 1, GO TO H6C5]
[IF H6C2 = 2, 3, D OR R, GO TO H6C4]

H6C4 Have you EVER smoked MENTHOL cigarettes for 6 months or more?

(1) YES
(2) NO

/_/

[IF H6C4 = 1, GO TO H6C5]
[ELSE, GO TO H6d]

H6C5 For how long did you smoke MENTHOL cigarettes?

FR: READ FIRST 4 CHOICES

(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, or

(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

|_|

H6d **Now I would like to ask about HOW you went about completely quitting smoking. When you quit smoking completely, did you use ANY of the following PRODUCTS:**

(1) YES
(2) NO

H6d123 **|_| A NICOTINE…patch, gum, lozenge, nasal spray or inhaler?**
FR: REPEAT THE WORD "NICOTINE" *AS NEEDED* FOR EACH OF THOSE NICOTINE PRODUCTS

H6d7ab **|_| A prescription pill, called Chantix, Varenicline, Zyban, Bupropion, or Wellbutrin?**
FR: CHANTIX IS PRONOUNCED ["CHAN-tix"] AND VARENICLINE IS PRONOUNCED ["va-REN-i-cleen"] ZYBAN IS PRONOUNCED ["ZYE-ban"], BUPROPION IS PRONOUNCED ["byoo-PROE-pee-on"] AND WELLBUTRIN IS PRONOUNCED ["well-byoo-trin"].

H6e1 When you quit smoking completely, did you use ANY of the following:

(1) YES
(2) NO

H6e1 **|_| A telephone help line or quit line?**

H6e2 **|_| One-on-one IN-PERSON counseling by a health professional?**

H6e3 **|_| A stop smoking clinic, class, or support group?**

H6e5 **|_| Internet or a web-based program or tool including smartphone apps and text messaging programs?**

H6F **When you quit smoking completely, did you do ANY of the following, whether or not you think they were effective:**

FR: FOR THIS QUESTION, RE-READ STEM PERIODICALLY

(1) YES
(2) NO

H6Fa2 |_| Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff, or snus?
FR: PRONOUNCE "SNUS" TO RHYME WITH "GOOSE."

H6Fa2b |_| Try to quit by SWITCHING to regular cigars, cigarillos, little filtered cigars or ANY pipes filled with tobacco?
FR NOTE: IF ASKED "ANY PIPES FILLED WITH TOBACCO" INCLUDES EITHER OR BOTH "REGULAR/TRADITIONAL" PIPES AND "WATER OR HOOKAH" PIPES --AS LONG AS THEY ARE FILLED WITH TOBACCO. ALSO, CIGARS SHOULD BE FILLED WITH TOBACCO.

[IF H6Fa2b = 2, D OR R, GO TO H6Fa2c]
[ELSE, GO TO H6Fa2d]

H6Fa2c |_| Try to quit by SWITCHING to electronic or E-cigarettes? You may also know them as vape-pens, e-hookahs, vapes or mods. Some popular brands include NJOY, Blu, Logic, Vuse and JUUL (*PRONOUNCED LIKE "JEWEL"*).

[GO TO H61a]

H6Fa2d   Did you switch to….......... ?

    (1) YES
    (2) NO

H6Fa2d1 |_| Cigars, cigarillos, little filtered cigars

H6Fa2d2 |_| Regular pipes filled with tobacco

H6Fa2d3 |_| Water or hookah {pronounced who-kah} pipes filled with tobacco

H6FaZ2c When you quit smoking completely, did you try to quit by SWITCHING to electronic or E-cigarettes? You may also know them as vape-pens, e-hookahs, vapes or mods. Some popular brands include NJOY, Blu, Logic, Vuse and JUUL (*PRONOUNCED LIKE "JEWEL"*).

(1) YES
(2) NO

|_|

[GO TO H61a]

H61a In the 12 MONTHS BEFORE you COMPLETELY quit smoking, did you SEE a medical doctor?

FR: RESPONDENTS SHOULD ANSWER "YES" IF THEY VISITED THEIR DOCTOR FOR ANY MEDICAL REASON (NOT ONLY FOR SMOKING RELATED REASONS).

(1) YES
(2) NO

|_|
[IF H61a = 1, GO TO H61b]
[IF H61a = 2, D OR R, GO TO H8a]

H61b During the 12 MONTHS BEFORE you completely quit smoking, did any medical doctor ADVISE you to stop smoking?

(1) YES
(2) NO

|_|

[GO TO H8a]

H8a   During the 12 MONTHS before you quit smoking, how soon after you woke up did you typically smoke your first cigarette of the day?

FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS
ENTER (0) IF RESPONDENT INSISTS IT VARIES

H8aNUM   ENTER NUMBER

|__|__| (0 – 90)

H8aUNT   ENTER UNIT REPORTED
(1) MINUTES
(2) HOURS

|_|

```
                        BOX 29
IF H8aNUM = 0, D OR R, GO TO H8b
ELSE, GO TO SECTION J
```

H8b   During the 12 months before you quit smoking, would you say you smoked your first cigarette of the day within the first 30 minutes of awakening?

(1) YES
(2) NO
(3) VARIES— DO NOT READ

|_|

[GO TO SECTION J]

[The menthol questions are repeated again below for those who stopped smoking greater than 1 year ago (or EQUIVALENT), OR H1 = D, R -- as indicated in Box 26]

H11a Thinking back to the 12 MONTHS BEFORE YOU COMPLETELY QUIT SMOKING CIGARETTES, during that time, DID YOU USUALLY SMOKE menthol or non-menthol cigarettes?

(1)   MENTHOL
(2)   NON-MENTHOL
(3)   NO USUAL TYPE

|_|

[IF H11a = 1, GO TO H11d]
[IF H11a =2, 3, D OR R, GO TO H11c]

H11c Have you EVER smoked MENTHOL cigarettes for 6 months or more?

(1) Yes
(2) No

|_|

[IF H11c= 1, GO TO H11d]
[ELSE, GO TO SECTION J]

H11d For how long did you smoke MENTHOL cigarettes?

FR: READ FIRST 4 CHOICES

(1) All or nearly all the years you have smoked
(2) Most of the years you have smoked
(3) Half of the years you have smoked, or
(4) Less than half the years you have smoked
(5) IF VOLUNTEERED: LESS THAN ONE YEAR

|_|

[SKIP TO SECTION J]

SECTION J. OTHER TOBACCO USE – ALL RESPONDENTS

J   **The next questions are about the use of tobacco other than in cigarettes.**

PRESS 1 TO CONTINUE

J1a   **(Have/Has) (you/name) EVER used any of the following EVEN ONE TIME?**

(1) YES
(2) NO

J1a1 |_| …A regular cigar or cigarillo (in Spanish use "medium size cigar" instead of the word "cigarillo") OR a little filtered cigar?

FR: IF ASKED, "cigar smoking" ONLY INCLUDES CIGAR <u>TOBACCO</u>. IT DOES <u>NOT</u> INCLUDE SMOKING CIGARS ONLY WITH MARIJUANA (OR "BLUNTS"), HASHISH OR OTHER SUBSTANCES.

FR: <u>Regular cigars</u> ARE DIFFERENT FROM <u>little filtered cigars</u>. THEY CAN BE <u>large cigars</u>, OR SMALLER IN SIZE SUCH AS <u>cigarillos</u> (IN SPANISH USE "medium size cigars" INSTEAD OF THE WORD "cigarillos" HERE.) THEY ARE USUALLY SOLD INDIVIDUALLY OR IN PACKS OF 2 OR 3. SOME COMMON BRANDS ARE BLACK AND MILD'S, SWISHER SWEETS CIGARILLOS, AND PHILLIES BLUNTS, BUT THERE ARE OTHERS.

FR: **<u>Little filtered cigars</u> ARE DIFFERENT FROM <u>regular cigars and cigarillos</u>** (in Spanish use "medium size cigars" instead of word "cigarillos" here). THEY RESEMBLE CIGARETTES IN SIZE, AND ARE OFTEN SOLD IN PACKS OF 20. THEY ARE USUALLY BROWN IN COLOR AND HAVE A SPONGY FILTER LIKE A CIGARETTE. SOME COMMON BRANDS ARE PRIME TIME, WINCHESTER AND CHEYENNE LITTLE FILTERED CIGARS, BUT THERE ARE OTHERS.

J1a2 |_| …A regular pipe filled with tobacco

FR: IF ASKED, "**pipe smoking**" ONLY INCLUDES PIPE <u>TOBACCO</u>. IT DOES <u>NOT</u> INCLUDE SMOKING HASHISH, MARIJUANA, CRACK, OR OTHER SUBSTANCES IN A PIPE. DO NOT INCLUDE WATER PIPES/HOOKAHS {who - kahs OR OTHER NAMES: SHISHA/NARGHILE/ARGILEH, OR HUBBLE-BUBBLE

J1a3 |_| …A water pipe or hookah {pronounced: who-kah} pipe filled with tobacco?

FR: IF ASKED, "**water pipe or hookah {who -kah} pipe smoking**" ONLY INCLUDES PIPE <u>TOBACCO</u>. IT DOES <u>NOT</u> INCLUDE SMOKING HASHISH, MARIJUANA, CRACK, OR OTHER SUBSTANCES IN A PIPE. A WATER PIPE OR HOOKAH {who -kah} PIPE IS ALSO REFERRED TO AS A SHISHA, NARGHILE, ARGILEH OR HUBBLE-BUBBLE.

J1A3.5 INTRO: The next question is about electronic or e-cigarettes. You may also know them as vape-pens, e-hookahs, vapes or mods. Some look like cigarettes, and others look like pens or are rectangular or box-shaped. These are battery-powered, usually contain liquid nicotine, and produce vapor instead of smoke. Some popular brands include NJOY, Blu, Logic, Vuse and JUUL (*PRONOUNCED LIKE "JEWEL"*).

J1a3.5 (Have/Has)(you/name) EVER used E-cigarettes EVEN ONE TIME?

(1) YES
(2) NO

|_|

FR: E-CIGARETTES AND SIMILAR PRODUCTS CAN BE BOUGHT AS ONE-TIME, DISPOSABLE PRODUCTS, AS RE-USABLE KITS WITH A CARTRIDGE, OR WITH REFILLABLE TANKS. THESE ITEMS CONTAIN A NICOTINE AND/OR FLAVORED LIQUID. SOME OF THESE PRODUCTS LOOK LIKE REGULAR CIGARETTES OR PENS, AND SOME ARE RECTANGULAR OR BOX-SHAPED. POPULAR BRANDS INCLUDE NJOY, BLU, LOGIC VUSE, AND JUUL (*PRONOUNCED LIKE "JEWEL).*

FR: PRONOUNCE "SNUS" TO RHYME WITH "GOOSE."

J1a4 INTRO The next question is about smokeless tobacco products which are used in the mouth.

J1a4 (Have/Has) (you/name) EVER used any of the following EVEN ONE TIME?

(1) YES
(2) NO

J1a4 |_| …SMOKELESS tobacco, such as moist snuff, dip, spit, chew tobacco or snus?

FR: **Snuff or dip** IS COMMONLY PLACED BETWEEN THE GUM AND LIP AND SOLD IN ROUND CANS IN --A LOOSE FORM OR A POUCH THAT LOOKS LIKE A SMALL TEA-BAG; COMMON BRANDS ARE SKOAL, COPENHAGEN AND GRIZZLY BUT THERE ARE OTHERS.

Chewing or spit tobacco (ALSO TWIST, PLUG OR SCRAP) IS USUALLY PLACED IN THE SIDE OF THE MOUTH AND CHEWED AND OFTEN SOLD IN WALLET-SIZED POUCHES; COMMON BRANDS ARE REDMAN, LEVI- GARRETT, AND BEECH-NUT, BUT THERE ARE OTHERS.

Snus IS A SPITLESS TOBACCO PRODUCT THAT MAY BE SOLD IN A TIN OR SLIDEPAK IN A LOOSE FORM OR IN SMALL TEABAG-LIKE POUCHES; COMMON BRANDS ARE CAMEL SNUS, MARLBORO SNUS, AND SKOAL SNUS.

J1a5 INTRO: The next question is about another type of tobacco called dissolvable tobacco. You don't smoke dissolvable tobacco products--they are made of finely ground tobacco often flavored that dissolves in your mouth.

J1a5 (Have/Has)(you/name) EVER used dissolvable tobacco EVEN ONE TIME?

    (1) YES
    (2) NO

    |__|

```
                           BOX 31
IF (J1a1 THROUGH J1a5 = NO, D or R) AND:
IF PROXY RESPONDENT, GO TO S78
IF SELF RESPONDENT, GO TO BOX 34)
ELSE IF ANY J1a1, 2, 3, 3.5, 4, 5 = YES (1) GO TO J2a1-5 FOR
THOSE PRODUCTS
```

```
                           BOX 32
ASK J2a FOR EACH YES ENTRY IN J1a1 THROUGH J1a5
```

J2a/J2a1-5 (Do you/Does [name]) NOW (smoke/use) [fill entry in J1a = 1] every day, some days or not at all? [J1a1-5 entries: smoke regular cigars, or cigarillos or little filtered cigars…./ smoke a regular pipe filled with tobacco…/smoke a water pipe or hookah pipe filled with tobacco…./ use an e-cigarette / use smokeless tobacco such as moist snuff, dip, spit, chew tobacco or snus / use dissolvable tobacco….]

    (1) EVERY DAY
    (2) SOME DAYS
    (3) NOT AT ALL

    |_|

[IF (J2a2 = 1 OR 2) AND (J2a3 = 1 OR 2), GO TO J2a3v]
[ELSE, GO TO BOX 33]

J2a3v Do you currently smoke BOTH regular pipes AND water pipes or hookah {who-kah} pipes?

    (1) YES
    (2) NO

    |_|

[IF J2A3V = 2, GO TO J2A2 AND J2A3 TO CORRECT AND THEN PROCEED TO BOX 33]

```
                                    BOX 33
IF J2a = 1 OR 3:
        IF PROXY:       IF LAST ENTRY FROM J1a –> GO TO S78
                        ELSE REPEAT J2a FOR NEXT YES ENTRY IN J1a1 – 5


IF J2a=1:
        IF SELF:        IF J2a4 (SMOKELESS) IS 1 (EVERY DAY) AND LAST ENTRY
                            FROM J1a, GO TO Ja
                        ELSE IF J2a1 (CIGARS) IS 1 (EVERY DAY) AND LAST ENTRY
                            FROM J1a, GO TO Jb

                        ELSE LAST YES ENTRY FROM J1a1-5, THEN GO TO JNflavr

                        ELSE REPEAT J2a FOR NEXT YES ENTRY IN J1a1-5


IF J2a=3;
        IF SELF:        IF LAST ENTRY FROM J1a, THEN GO TO Jd
                        ELSE REPEAT J2a FOR NEXT YES ENTRY IN J1a1 – 5

FOR EACH ENTRY J2a1-4=3 (NOT AT ALL), ASK HOW LONG HAS IT BEEN SINCE
                        YOU COMPLETELY STOPPED SMOKING // USING…
                        CIGARS / PIPES // E-CIGARETTES / SMOKELESS
                        TOBACCO, GO TO Jd1/2.

FOR J2a5=3 (DISSOLVABLE TOBACCO=NOT AT ALL), GO TO SECTION K AFTER
                        FOLLOWING THE APPROPRIATE SKIP PATTERNS FOR
                        J2a1-4.

IF J2a = 2: (Someday Smokers)
        IF PROXY:       IF LAST YES ENTRY FROM J1a 1- 5, THEN GO TO S78
                        ELSE REPEAT J2a FOR NEXT YES ENTRY IN J1a1–5


        IF SELF:        GO TO J2b

IF J2a = D OR R (-2 or -3), GO BACK TO J2a for next item (ie. pipes, etc.)
IF J2a = D OR R (-2 or -3) AND IF LAST ENTRY FROM J1a1-5, THEN GO TO BOX 34
```

J2b/J2b1-5 On how many of the past 30 days did you (smoke/use) [fill entry J1a1-5]?
        [ASK SEPARATELY FOR EACH "YES" ENTRY IN J1a AND WITH J2a = 2]

        ENTER NUMBER OF DAYS OR ENTER (0) FOR NONE

        |_||_| (0-30)

        IF [entry in J2b = 0 OR 30], GO TO J2b1-5v; ELSE AFTER OBTAINING ALL
        RELEVANT RESPONSES TO THIS QUESTION, IF SMOKELESS CURRENT USE,
        GO TO Ja; ELSE IF CIGAR CURRENT USE, GO TO Jb; ELSE IF REGULAR OR
        HOOKAH PIPE FILLED WITH TOBACCO CURRENT USE OR E-CIGARETTE

CURRENT USE, GO TO JNflavr. [NO FURTHER QUESTIONS ARE ASKED ABOUT DISSOLVABLE USE.] ELSE IF DISSOLVABLES IS THE <u>ONLY</u> NON-CIGARETTE TOBACCO PRODUCT <u>EVER USED</u> (J1a5 = 1), GO TO SECTION K.

J2b1-5v   **You said that you (smoked/used) [fill entry J1a] some days. Is that correct?**
[ASK SEPARATELY FOR EACH "YES" ENTRY IN J1a WITH J2b = X (0) <u>OR</u> 30]

(1) YES
(2) NO   [GO TO RELEVANT J2a1-5 AND CORRECT]

|_|

NOTE: THE J2a, J2b, and J2bv (as needed) SERIES IS REPEATED FOR EACH YES ENTRY IN J1a1-5 AS APPROPRIATE.

[AFTER OBTAINING ALL RELEVANT RESPONSES TO THESE QUESTIONS (J2a, 2b, 2bv AS APPROPRIATE), IF SMOKELESS CURRENT USE, THEN GO TO Ja; ELSE IF CIGAR CURRENT USE, THEN GO TO Jb; ELSE IF REGULAR OR HOOKAH PIPE FILLED WITH TOBACCO CURRENT USE OR E-CIGARETTE CURRENT USE, GO TO JNflavr.] NO FURTHER QUESTIONS ARE ASKED ABOUT DISSOLVABLE USE. ELSE IF DISSOVABLES ARE THE <u>ONLY</u> NON-CIGARETTE TOBACCO PRODUCT <u>EVER</u> USED, GO TO SECTION K.

Ja   **During the PAST 30 days, what BRAND of smokeless tobacco [IF necessary: moist snuff, dip, spit, chew or snus] did you use MOST OFTEN?**

[Allow for filling in coded brand name or code number OR ENTER Brand NAME by clicking on it]

|___|___| (1-21)

IF BRAND IS NOT ON THE LIST, ENTER "21" for OTHER in Ja.

THE UNREAD CODES FOR INTERVIEWER ENTRY ARE:
1   BEECH-NUT
2   CAMEL SNUS
3   COPE
4   COPENHAGEN
5   GENERAL SNUS
6   GRIZZLY
7   HUSKY
8   KAYAK
9   KODIAK
10   LEVI GARRETT
11   LONGHORN
12   MARLBORO SNUS
13   RED MAN
14   RED MAN GOLDEN BLEND

15   RED SEAL
16   SKOAL
17   SKOAL SNUS
18   SKOAL X-TRA
19   STOKER'S
20   TIMBER WOLF
21   OTHER

[IF Ja = 21, GO TO Jaspc; ELSE IF J2a1 = 1 or 2, THEN GO TO Jb--- [If "cigars" are NOW smoked every day or some days, ask Jb and Jc,….]—ELSE GO TO JNflavr.]

Jaspc   Please specify the other brand: _____
FR: ENTER A TEXT OF AT MOST 20 CHARACTERS.

[IF J2a1 = 1 or 2, GO TO Jb--- [If "cigars" are NOW smoked every day or some days, ask Jb and Jc, ……]—ELSE GO TO JNflavr]

Jb   During the PAST 30 days, what type of CIGAR did you use MOST OFTEN?

FR: READ THE 3 CHOICES

(1) Regular/large cigars
(2) "Cigarillos" (in Spanish use "medium size cigars" instead of the word "cigarillos" here")
(3) Little filtered cigars

| |

Jc   During the PAST 30 days, what BRAND of CIGAR did you smoke MOST OFTEN?

ENTER CODE FOR BRAND (1-22). ENTER 22 FOR OTHER BRAND NOT ON THE LIST

| |

THE UNREAD CODES FOR INTERVIEWER ENTRY ARE:

1   305'S
2   AL CAPONE
3   ANTONIO Y CLEOPATRA
4   ARTURO FUENTE
5   BACKWOODS
6   BLACK & MILDS
7   COHIBA
8   CHEYENNE
9   DJARUM
10   DUTCH MASTERS
11   GARCIA Y VEGA

12	GOOD TIMES
13	MACANUDO
14	HAV-A-TAMPA
15	PHILLIES
16	PRIME TIME
17	SANTA FE
18	SMOKER'S CHOICE
19	SWISHER SWEETS
20	WHITE OWL
21	ZIG ZAG
22	OTHER

[IF Jc = 22, GO TO Jcspc]

Jcspc Please specify the other brand: _____
FR: ENTER A TEXT OF AT MOST 20 CHARACTERS.

[FOR EACH NON-CIGARETTE TOBACCO PRODUCT OR E-CIGARETTE PRODUCT CURRENTLY USED, J2a1-4 = 1 OR 2, ASK Jnflvr (1-4) AND/OR Jnflv35 SEPARATELY, AND AS APPROPRIATE FOLLOW UP WITH--JnflvrA (for CIGARS, PIPES, SMOKELESS), OR for E-CIGARETTES- JnfvA35 OR JnfvB35 DIRECTLY AFTER ASKING Jnflvr (1-4) OR Jnflv35 BEFORE ASKING ABOUT THE NEXT TOBACCO PRODUCT (Jnflvr (1-4) or Jnflv35).

READ THE JnflvIN ONLY ONCE IF THERE ARE ANY J2a1-4 = 1 or 2.]

JnflvIN Some tobacco products come in flavors such as menthol or mint, clove, spice, candy, fruit, chocolate, alcohol, or other flavors.

Jnflvr (1-3, 4) or Jnflv35
When you ….[fill as appropriate entry J2a1- 3 – smoke a cigar /smoke a regular pipe filled with tobacco / smoke a water/hookah pipe filled with tobacco (for Jnflvr (1-3) / use an e-cigarette (for Jnflv35) / use smokeless tobacco (for Jnflvr4)] …is it usually flavored?

(1) YES
(2) NO

|_|

[IF Jnflvr(1-3, 4) = 1 OR D, GO TO JnflvA(1-3, 4)_b-d SERIES]
[IF Jnflvr(1-3, 4) = 2 OR R, GO TO BOX Jd]
[IF Jnflv35 = 1 OR D, GO TO JnfvA35_a-d SERIES]
[IF Jnflv35 = 2 OR R, GO TO JnfvB35]

JnflvA (1-4) Is it usually …..

    (1) YES
    (2) NO

    |_| **(b) Menthol or mint flavored?**

    |_| **(c) Flavored like clove, spice, herb, fruit, alcohol, candy, sweets, or chocolate?**

    |__| **(d) Some other type of flavor? [IF YES, SPECIFY:_____]**

[CONTINUE THE RELEVANT FLAVOR SERIES FOR THE NEXT J2a(1-3, 3.5, 4) = 1, 2.
IF THIS IS THE LAST J2a (1-3, 4) = 1 OR 2, <u>AND</u> J2a3.5 NE 1 OR 2, GO TO BOX Jd.
ELSE, IF E-CIGARETTES ARE CURRENTLY USED (J2a3.5 = 1 OR 2) <u>AND</u> HAVE EVER
SMOKED 100+ CIGARETTES (A1=1, D, OR R), GO TO Jeciga AND ASK Jecig(a,d).
ELSE IF E-CIGARETTES ARE CURRENTLY USED (J2a3.5 = 1 OR 2), GO TO Jecig2.
ELSE, GO TO BOX Jd]

JnfvA35 Is it usually …..

    (1) YES
    (2) NO

    |_| **(a) Tobacco flavored?** [NOTE: THIS ITEM IS ASKED ONLY FOR E-CIGS]

    |_| **(b) Menthol or mint flavored?**

    |_| **(c) Flavored like clove, spice, herb, fruit, alcohol, candy, sweets, or chocolate?**

    |__| **(d) Some other type of flavor? [IF YES, SPECIFY:_____]**

[WHEN FINISHED ASKING THE APPROPRIATE FLAVOR SERIES FOR ALL J2a (1-3,
3.5, 4) = 1, 2, - IF E-CIGARETTES ARE CURRENTLY USED (J2a3.5 = 1 OR 2) <u>AND</u> HAVE
EVER SMOKED 100+ CIGARETTES (A1=1, D, OR R), GO TO Jeciga AND ASK Jecig(a,d)]
[ELSE IF E-CIGARETTES ARE CURRENTLY USED (J2a3.5 = 1 OR 2), GO TO Jecig2]
[ELSE, GO TO BOX Jd]

JnfvB35 When you use an e-cigarette, is it usually tobacco flavored?

    (1) YES
    (2) NO

    |_|

[WHEN FINISHED ASKING THE APPROPRIATE FLAVOR SERIES FOR ALL J2a (1-3,
3.5, 4) = 1, 2, - IF E-CIGARETTES ARE CURRENTLY USED (J2a3.5 = 1 OR 2) <u>AND</u> HAVE
EVER SMOKED 100+ CIGARETTES (A1=1, D, OR R), GO TO Jeciga AND ASK Jecig(a,d)]
[ELSE IF E-CIGARETTES ARE CURRENTLY USED (J2a3.5 = 1 OR 2), GO TO Jecig2]

[ELSE, GO TO BOX Jd]

Jeciga Do you use e-cigarettes because you can use them at times when or in places where smoking cigarettes isn't allowed?

      FR: E-CIGARETTES CAN ALSO BE CALLED VAPE-PENS, E-HOOKAHS, VAPES OR MODS. POPULAR BRANDS INCLUDE NJOY, BLU, LOGIC, VUSE, AND JUUL (PROUNOUNCED LIKE "JEWEL").

      (1) YES
      (2) NO

      |_|

Jecigd Do you use e-cigarettes to help you quit smoking cigarettes?

      (1) YES
      (2) NO

      |_|

Jecig2 Which of the following best describes the type of e-cigarette you currently use? If you use more than one type, please think of the one you use most often.

      (1) A disposable e-cigarette,
            FR: IF NEEDED, DISPOSABLE E-CIGARETTES ARE ONE-TIME USE PRODUCTS THAT ARE NOT RECHARGEABLE.
      (2) An e-cigarette that uses REPLACEABLE PREFILLED CARTRIDGES,
      (3) An e-cigarette with a TANK that you REFILL with LIQUIDS,
      (4) A mod system, or
            FR: IF NEEDED, A MOD SYSTEM IS CUSTOMIZED BY THE USER WITH THEIR OWN COMBINATION OF BATTERIES, ATOMIZERS, ETC.
      (5) You don't know the type?

      |_|

+---+
| BOX J |
| |
| **FILL INSTRUCTIONS FOR JECIG3 AND JECIG4:** |
| |
| IF Jecig2 = 1, 5, D OR R, display "e-cigarettes" for|
| Disposable and Unknown device users |
| |
| IF Jecig2 = 2, display "e-cigarette cartridges" for |
| Cartridge device users |
| |
| IF Jecig2 = 3 OR 4, display "e-liquid" for Tank and Mod |
| System device users |
+---+

Jecig3 Do you usually buy your own {e-cigarettes / e-cigarette cartridges / e-liquid}?

    (1) Yes
    (2) No

    |_|

    [IF Jecig3 = 2, D OR R, GO TO BOX Jd]

Jecig4 How do you usually buy your own {e-cigarettes / e-cigarette cartridges / e-liquid}…

    (1) In person,
    (2) From the internet,
    (3) By telephone, or
    (4) Some other way (SPECIFY:_____)

    |_|

BOX K

FILL INSTRUCTIONS FOR JCOST1:

IF Jecig2 = 1, 5, D OR R, display "e-cigarettes" and "single e-cigarettes" for Disposable and Unknown device users

IF Jecig2 = 2, display "e-cigarette cartridges" and "single e-cigarette cartridges" for Cartridge device users

IF Jecig2 = 3 OR 4, display "bottles of e-liquid" and "a single bottle of e-liquid" for Tank and Mod System device users

---

Jcost1 Do you usually buy {e-cigarettes / e-cigarette cartridges / bottles of e-liquid} by the box or pack, or as {single e-cigarettes / single e-cigarette cartridges / a single bottle of e-liquid}?

    (1) BOX OR PACK
    (2) SINGLES

    |_|

    [IF Jcost1 = 1, GO TO Jcost2]
    [ELSE, GO TO Jcost4]

Cost questions for box/pack purchasers (Jcost1 = 1)

BOX L

FILL INSTRUCTIONS FOR JCOST2 AND JCOST3:

IF Jecig2 = 1, 5, D OR R, display "e-cigarettes" for
Disposable and Unknown device users

IF Jecig2 = 2, display "e-cigarette cartridges" for
Cartridge device users

IF Jecig2 = 3 OR 4, display "bottles of e-liquid" for Tank
and Mod System device users

Jcost2 What price did you pay for the LAST BOX OR PACK of {e-cigarettes / e-cigarette cartridges / bottles of e-liquid} you bought? Please report the cost after using discounts or coupons.

FR: "PRICE PER BOX OR PACK," ENTER "DOLLARS" ON THE FIRST SCREEN
(Jcost2) AND ENTER "CENTS" ON THE NEXT SCREEN (Jcost2a)

Jcost2 $ _(0-999)
Jcost2a   **.____**(0-99)

Jcost3 How many {e-cigarettes / e-cigarette cartridges / bottles of e-liquid} came in the LAST BOX OR PACK you bought?

ENTER NUMBER
|__|__|

[IF Jecig2 =3 OR 4, GO TO Jcost5]
[ELSE, GO TO BOX Jd]

Cost questions for single purchasers (Jost1 = 2, D OR R)

BOX M

FILL INSTRUCTIONS FOR JCOST4:

IF Jecig2 = 1, 5, D OR R, display "e-cigarette" for
Disposable and Unknown device users

IF Jecig2 = 2, display "e-cigarette cartridge" for
Cartridge device users

IF Jecig2 = 3 OR 4, display "bottle of e-liquid"
for Tank and Mod System device users

Jcost4 What price did you pay for the LAST {e-cigarette / e-cigarette cartridge / bottle of e-liquid} you bought? Please report the cost after using discounts or coupons.

FR: "PRICE PER SINGLE," ENTER "DOLLARS" ON THE FIRST SCREEN (Jcost4) AND ENTER "CENTS" ON THE NEXT SCREEN (Jcost4a)

Jcost4 $_(0-999)
Jcost4a   .____(0-99)

[IF (Jecig2 = 3 OR 4) AND (Jecig3 = 1), GO TO Jcost5]
[ELSE, GO TO BOX Jd]

Jcost5 How many MILLILITERS of liquid were in a SINGLE bottle you LAST bought?
FR: IF NEEDED - Common sizes are 5, 15, 30, 60, and 120.

|__|__||__| ENTER NUMBER (3 digits)

BOX Jd

FOR EACH ENTRY J2a1-4 = 3 (NOT AT ALL), GO TO Jd1/2_1-4; ELSE GO TO Jd3.

FR NOTE: IF RESPONDENT HAS INDICATED THAT THE PRODUCT WAS ONLY USED ONCE OR TWICE, ENTER "CTRL-R$_2$," AND DO NOT ASK JD1/2 FOR THAT PRODUCT.

Jd1/2_1-4 About how long has it been since you COMPLETELY quit smoking//using -- cigars, cigarillos, or little filtered cigars /a regular pipe filled with tobacco / a water pipe or hookah {who-kah} pipe filled with tobacco // E-cigarettes /smokeless tobacco?

Jd11/2/3/3.5 /4 |__|__| NUMBER (1-99)
Jd2 1/2/3/3.5/4 |_| UNITS
                (1) DAYS
                (2) WEEKS
                (3) MONTHS
                (4) YEARS

FR NOTE: IF RESPONDENT HAS INDICATED THAT THE PRODUCT WAS ONLY USED ONCE OR TWICE, DO NOT ASK JD3 AND ENTER "0$_2$" FOR LESS THAN ONE YEAR.
ASK Jd3 SEPARATELY FOR EACH J1a1-4 = 1 (YES) AND J2a1-4 = 1, 2, or 3.

Jd3 In total, how many years [fill "have you smoked/used" when J2a1-4 = 1 or 2 / "did you smoke/use" when J2a1-4 = 3] cigars or cigarillos or little filtered cigars / a regular pipe filled with tobacco / a water pipe or hookah pipe filled with tobacco // E-cigarettes /smokeless tobacco (fill as appropriate from J1a1-4)?

ENTER 0 FOR LESS THAN ONE YEAR

Jd3 1,2,3,3.5,4 |__|__| (0-99) years

[ASK Jfecgr(a, d) FOR THOSE WITH J2a3.5 = 3 AND A1 = 1, D OR R (ONLY ASK Jfecgr(a, d) OF E-CIGARETTE FORMER USERS WHO HAVE EVER SMOKED 100+ CIGARETTES)]
[ELSE, IF J2a3.5 = 3, GO TO Jfecg2]
[ELSE, GO TO BOX 34]

Jfecgra Did you use e-cigarettes because you could use them at times when or in places where smoking cigarettes wasn't allowed?

> FR: E-CIGARETTES CAN ALSO BE CALLED VAPE-PENS, E-HOOKAHS, VAPES OR MODS. POPULAR BRANDS INCLUDE NJOY, BLU, LOGIC, VUSE, AND JUUL (PROUNOUNCED LIKE "JEWEL").

> (1) YES
> (2) NO

> |_|

Jfecgrd Did you use e-cigarettes to help you quit smoking cigarettes?
> (1) YES
> (2) NO

> |_|

Jfecg2 Which of the following best describes the type of e-cigarette you used to use? If you used more than one type, please think of the one you used most often.

> (1) A disposable e-cigarette,
>   FR: IF NEEDED, DISPOSABLE E-CIGARETTES ARE ONE-TIME USE PRODUCTS THAT ARE NOT RECHARGEABLE.
> (2) An e-cigarette that uses replaceable PREFILLED CARTRIDGES,
> (3) An e-cigarette with a TANK that you REFILL with LIQUIDS,
> (4) A mod system, or
>   FR: IF NEEDED, A MOD SYSTEM IS CUSTOMIZED BY THE USER WITH THEIR OWN COMBINATION OF BATTERIES, ATOMIZERS, ETC.
> (5) You don't know the type?

> |_|

BOX 34
FOR PROXY RESPONDENT, GO TO S78

FOR SELF RESPONDENT:

IF J1a1-4 = NO OR J2a = D/Refused OR ANY COMBINATION OF THESE THREE STIPULATIONS FOR ALL FIVE "OTHER" TOBACCO PRODUCTS FOR ALL ENTRIES –> GO TO SECTION K [NOTE: DISSOVABLE ONLY NON-CIGARETTE TOBACCO USERS SHOULD ALREADY BE IN SECTION K]

Other tobacco time to first use:

BOX 39

IF ONLY ONE PRODUCT MENTIONED IN J2a IS NOW USED "EVERY DAY" OR "SOME DAYS" [J2a@1-4 =1 OR 2], THAT PRODUCT IS USED FOR J3a.

    If J2a1=1 or 2, fill with 'smoke your first cigar'
    If J2a2-3=1 or 2, fill with 'smoke your first regular or hookah pipe filled with tobacco'
    If J2a3.5 =1 or 2, fill with 'use your first e-cigarette'
    If J2a4=1 or 2, fill with 'first use smokeless tobacco'

ELSE IF > 1 PRODUCT MENTIONED IN J2a IS NOW USED "EVERY DAY" OR "SOME DAYS [ANY J2a@1-4=1 OR 2] FILL J3a WITH THOSE PRODUCTS," LIST ALL PRODUCTS NOW USED.

ELSE IF [(J2a = 3 OR J1a = 2) FOR ALL J1a1-4 AND [Jd1/2 LESS THAN OR EQUAL TO 1 YEAR, 12 MONTHS, 52 WEEKS, 99 DAYS (i.e., 1 YEAR EQUIVALENCE) FOR ONLY ONE "OTHER TOBACCO PRODUCT" J1a1-4] AND [(IF A3 =3 AND H1NUM/UNT > (GREATER THAN) 1 YEAR, 12 MOS., 52 WEEKS, OR EQUIVALENCE) OR (IF A1=2, D, R)] THEN GO TO J3f;

ELSE IF [(J2a=3 OR J1a = 2) FOR ALL J1a1-4 AND [Jd1/2 LESS THAN OR EQUAL TO 1 YEAR, 12 MONTHS, 52 WEEKS, 99 DAYS (i.e., 1 YEAR EQUIVALENCE) FOR ANY "OTHER TOBACCO PRODUCT" J1a1, 2, 3, 3.5, OR 4] AND [(IF A3 =3 AND H1NUM/UNT LESS THAN OR EQUAL TO 1 YEAR, 12 MOS., 52 WEEKS, 99 DAYS (i.e., 1 YEAR EQUIVALENCE)], THEN GO TO J3f.

ELSE, GO TO SECTION K.

J3a   **How soon after you wake up do you typically [FILL WITH APPROPRIATE STEM AND ENDING BASED ON RESPONSES TO J2A1-4—SEE BOX 39 ABOVE]?**

    FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS
    FR: IF RESPONDENTS USE BOTH KINDS OF PIPES, THEY SHOULD BE THINKING OF BOTH KINDS AND ANSWER THE EARLIEST TIME AFTER AWAKENING THEY SMOKE THE FIRST OF THE TWO TYPES OF PIPES. SIMILARLY, WE ARE ASKING ABOUT THE FIRST USE OF ANY OF THE GROUP OF PRODUCTS NOTED

    ENTER (0) in J3a1 IF RESPONDENT INSISTS IT VARIES

    J3a1 |__|__| (0 - 90) ENTER NUMBER

    J3a2   ENTER UNIT REPORTED
        (1) MINUTES
        (2) HOURS

        |_|

[IF J3a = 0, D OR R, GO TO J3d]
[ELSE, GO TO BOX 39A]

J3d **Would you say you first...[FILL WITH APPROPRIATE STEM AND ENDING BASED ON RESPONSES IN J2a1-4 SIMILAR TO J3a….smoke a cigar/pipe//use … an e-cigarette/ smokeless tobacco// ….other appropriate combinations… within the first 30 minutes of awakening?**

(1) YES
(2) NO
(3) VARIES — **DO NOT READ**

|_|

[GO TO BOX 39A]

J3f1/2 In the 12 months BEFORE YOU COMPLETELY QUIT {smoking cigars / smoking pipes / using e-cigarettes / using smokeless tobacco}, how soon after you woke up did you typically [fill with appropriate stem and ending based on responses to J2a1-4] (smoke your first….cigar/ pipe//use your first….e-cigarette/first use smokeless tobacco)?

FR: IF NECESSARY, ASK FOR BEST ANSWER IN MINUTES OR HOURS
FR: IF RESPONDENTS USE BOTH KINDS OF PIPES, THEY SHOULD BE THINKING OF BOTH KINDS AND ANSWER THE EARLIEST TIME AFTER AWAKENING THEY SMOKE THE FIRST OF THE TWO TYPES OF PIPES. SIMILARLY, WE ARE ASKING ABOUT THE FIRST USE OF ANY OF THE GROUP OF PRODUCTS NOTED

ENTER (0) in J3f1 IF RESPONDENT INSISTS IT VARIES

J3f1 ENTER NUMBER

|__|__| (0 - 90)

J3f2 ENTER UNIT REPORTED

(1) MINUTES
(2) HOURS

|_|

[IF J3f1 = 0, D OR R, GO TO J3g]
[ELSE, GO TO BOX 39A]

J3g   **Would you say you first used {fill….. cigars/ pipes/ e-cigarettes/ smokeless tobacco}… within the first 30 minutes of awakening?**

(1) YES
(2) NO
(3) VARIES— DO NOT READ

|_|

BOX 39A

IF A3 = 1 OR 2 (CURRENT CIGARETTE SMOKER) GO TO SECTION K, DO NOT ASK J4-J7

ELSE <u>IF ONLY ONE PRODUCT</u> MENTIONED IN J2a (J2a 1-5) IS NOW USED "EVERY DAY" OR "SOME DAYS" GREATER THAN OR EQUAL TO 12 DAYS" [J2a =1 <u>OR</u> (J2a =2 AND J2b ≥ 12 days)], AND THAT ONE PRODUCT IS <u>NOT</u> <u>DISSOVABLES</u> J2a(5), THAT PRODUCT IS USED FOR J4-J6—GO TO J4

ELSE IF > 1 PRODUCT MENTIONED IN J2a [J2a =1 <u>OR</u> (J2a =2 AND J2b≥ 12 days), GO TO SECTION K

ELSE IF [(J2a=3, D, R OR J1a = 2, D, R) FOR ALL J1a1-5] AND [Jd1/2 LESS THAN OR EQUAL TO 1 YEAR, 12 MONTHS, 52 WEEKS, 99 DAYS (i.e., 1 YEAR EQUIVALENCE) "<u>FOR ONLY CIGARS</u>" J1a1] AND [(IF A3 =3 AND H1NUM/UNT > 1 YEAR, 12 MOS., 52 WEEKS, (OR OTHER EQUIVALENCE)) OR (IF A1=2,D, R)], THEN GO TO <u>J7AltIN</u>

ELSE GO TO SECTION K.

J4   **During the PAST 12 MONTHS, have you stopped smoking // using [fill entry based on BOX 39A—cigars / pipes // e-cigarettes / smokeless tobacco] for one day or longer BECAUSE YOU WERE TRYING TO QUIT?**

(1) YES
(2) NO

[IF J4 = 1, GO TO J6b]
[IF J4 = 2, D OR R, GO TO SECTION K]

J6b   **Thinking of ANY attempts to stop smoking …// using … [fill entry same as J4 fill – cigars/pipes // E-cigarettes/ smokeless tobacco] because you were trying to quit, during the past 12 months, what was the length of time of the ONE attempt that lasted the longest?**

FR: IF QUIT ATTEMPT BEGAN MORE THAN 12 MONTHS AGO BUT ENDED WITHIN THE PAST 12 MONTHS, COUNT ALL OF IT.

J6bnum ENTER NUMBER

|⎽⎽|⎽⎽| (1 -96)

J6bunt ENTER UNIT REPORTED

(1) DAYS
(2) WEEKS
(3) MONTHS

|⎽|

[IF (J6num >18 AND J6bunt = 2) OR (J6bnum >12 AND J6bunt = 3), GO TO J6bv]
[ELSE, IF J4 AND J6b FILL IS "CIGARS" (ONLY TOBACCO PRODUCT CURRENTLY USED IS CIGARS), GO TO J7cINT]

J6bv   **I have recorded that the LONGEST length of time you stopped smoking//using [fill entry same fill as J4—cigars/ pipes//e-cigarettes/ smokeless tobacco] in the past 12 months because you were TRYING to quit was [fill entry J6bnum/J6bunt]? Is that correct?**

(1) YES
(2) NO

|⎽|

[IF J6bv = 1 AND J4, J6b, AND J6bv FILL IS "CIGARS" (ONLY TOBACCO PRODUCT CURRENTLY USED IS CIGARS), GO TO J7cINT]
[IF J6bv = 2, GO TO J6bnum/unt TO CORRECT]

J7cINT The LAST TIME you tried to QUIT smoking CIGARS in the past 12 months: Did you:

FR: FOR THIS QUESTION, RE-READ STEM IF NECESSARY

(1) YES
(2) NO

J7c |_| Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff, or snus?
FR: PRONOUNCE "SNUS" TO RHYME WITH "GOOSE."

J7d |__| Try to quit by SWITCHING to electronic or E-cigarettes?

[GO TO SECTION K]

J7AltIN When you quit smoking CIGARS completely, did you do ANY of the following, whether or not you think they were effective:

FR: FOR THIS QUESTION, RE-READ STEM IF NECESSARY]

(1) YES
(2) NO

J7cAlt |__| Try to quit by SWITCHING to smokeless tobacco such as chewing tobacco, snuff, or snus?
FR: PRONOUNCE "SNUS" TO RHYME WITH "GOOSE."

J7dAlt |__| Try to quit by SWITCHING to electronic or E-cigarettes?

[GO TO SECTION K]

SECTION K. WORKPLACE POLICY, HOME RULES, PUBLIC OPINION ABOUT SMOKING IN PUBLIC VENUES

– ALL SELF RESPONDENTS

BOX41 -- CONTEXT FOR K1- K3 SERIES:
IF NOT RETIRED AND HAVE BEEN WORKING FOR PAY OR
EMPLOYED IN PAST WEEK AND ARE NOT SELF-EMPLOYED:

K1a **The next questions are about your place of work.**
FR: IF RESPONDENT HAS MORE THAN 1 JOB, HAVE HIM/HER ANSWER FOR
HIS/HER MAIN JOB.

K1a **Do you mainly work indoors or outdoors?**
FR: DO NOT READ THE FIRST 2 CATEGORIES UNLESS NECESSARY. NEVER
READ THE REMAINING CATEGORIES.

(1) INDOORS
(2) OUTDOORS
(3) About equally indoors and outdoors
(4) Works mainly indoors in a non-traditional environment such as warehouse or other
similar large semi-structured area
(5) Mainly travel around to different clients or sites or mainly in a motor
vehicle/bus/train/boat/airplane/underground/in a mine, etc.
(6) Varies

|_|

[IF K1a = 1, GO TO K1b]
[IF K1a = 4, GO TO K1b1]
[IF K1a = 3, GO TO K1b2]
[IF K1a = 2, 5, 6, D, R, GO TO K4]

K1b **Do you mainly work in an office building, in your own home, in someone else's
home, or in another indoor place?**

(1) OFFICE BUILDING
(2) OWN HOME
(3) SOMEONE ELSE'S HOME
(4) ANOTHER INDOOR PLACE

[IF K1b = 1, 4, D OR R, GO TO K1b1]
[IF K1b = 2 OR 3, GO TO K4]

K1b1 In which State (including DC) do you work?

FR: ENTER 2 LETTER ABBREVIATION FOR THE STATE.

|__|__|

[GO TO K2a]

K1b2 When you work INDOORS: Do you mainly work in an office building, in your own home, in someone else's home, or in another indoor place?

(1) OFFICE BUILDING
(2) OWN HOME
(3) SOMEONE ELSE'S HOME
(4) ANOTHER INDOOR PLACE

[IF K1b2 = 1, 4, D OR R, GO TO K1c]
[IF K1b2 = 2 OR 3, GO TO K4]

K1c   In which State (including DC) do you work on your main _indoor_ job or business?

FR: ENTER 2 LETTER ABBREVIATION FOR THE STATE.

|__|__|

K2a   Is smoking restricted in ANY WAY at your place of work?

FR: READ IF NECESSARY "By 'restricted', we mean any limitation on smoking, regardless of who is responsible for that restriction (including owner, employer, gov't, union, etc.).

(1) YES
(2) NO

|_|

[IF K2a = 1, GO TO K3a]
[IF K2a = 2, D OR R, GO TO K3c]

K3a **Which of these best describes the smoking policy at your place of work for INDOOR PUBLIC OR COMMON AREAS, such as lobbies, rest rooms, and lunch rooms?**

FR: READ THE FIRST 3 ANSWER CATEGORIES ONLY. ENTER (4) IF NOT APPLICABLE

(1) Not allowed in ANY public areas
(2) Allowed in SOME public areas
(3) Allowed in ALL public areas
(4) NOT APPLICABLE

|_|

K3b **Which of these best describes the smoking policy at your place of work for INDOOR WORK AREAS?**

FR: READ THE FIRST 3 ANSWER CATEGORIES ONLY. ENTER (4) IF NOT APPLICABLE

(1) Not allowed in ANY work areas
(2) Allowed in SOME work areas
(3) Allowed in ALL work areas
(4) NOT APPLICABLE

|_|

K3c **During the PAST TWO WEEKS, has anyone smoked in the area in which you work?**

(1) YES
(2) NO

|_|

[IF K2a = 2, D OR R, GO TO K3c1]
[IF K2a = 1, GO TO K3b1]

K3b1 Which of these best describes the vaping or e-cigarette policy at your place of work for INDOOR PUBLIC OR COMMON AREAS AND INDOOR WORK AREAS?

FR: READ ANSWER CATEGORIES

(1) Not allowed in ANY public and ANY work areas
(2) Allowed in SOME public or SOME work areas
(3) Allowed in ALL public and ALL work areas

|_|

[GO TO K3c1]

K3c1 During the PAST TWO WEEKS, has anyone vaped or used e-cigarettes in the area in which you work?

(1) YES
(2) NO

|_|

[GO TO K4]

K4   The final set of questions are about your home and other places.

Which statement best describes the rules about smoking INSIDE YOUR HOME?

FR: READ IF NECESSARY "HOME" IS WHERE YOU LIVE. "RULES" INCLUDE ANY UNWRITTEN "RULES" AND PERTAIN TO ALL PEOPLE WHETHER OR NOT THEY RESIDE IN THE HOME OR ARE VISITORS, WORKMEN, ETC. "SMOKING" INCLUDES CIGARS, REGULAR AND HOOKAH PIPES, AS WELL AS CIGARETTES.

(1) No one is allowed to smoke anywhere INSIDE YOUR HOME
(2) Smoking is allowed in some places or at some times INSIDE YOUR HOME
(3) Smoking is permitted anywhere INSIDE YOUR HOME

|_|

K4a   Which statement best describes the rules about vaping or using e-cigarettes INSIDE YOUR HOME?

FR: READ IF NECESSARY "HOME" IS WHERE YOU LIVE. "RULES" INCLUDE ANY UNWRITTEN "RULES" AND PERTAIN TO ALL PEOPLE WHETHER OR NOT THEY RESIDE IN THE HOME OR ARE VISITORS, WORKMEN, ETC. "VAPING" INCLUDES USE OF E-CIGARETTES, VAPE-PENS, HOOKAH-PENS, E-HOOKAHS, E-VAPORIZERS, VAPES, OR MODS. POPULAR BRANDS INCLUDE NJOY, BLU, LOGIC, VUSE, AND JUUL (PROUNOUNCED LIKE "JEWEL").

(1) No one is allowed to vape anywhere INSIDE YOUR HOME
(2) Vaping is allowed in some places or at some times INSIDE YOUR HOME
(3) Vaping is permitted anywhere INSIDE YOUR HOME

|_|

K5a   **In buildings with MULTIPLE apartments or living areas, do you THINK that smoking should be… ALLOWED INSIDE ALL apartments or living areas, ALLOWED inside SOME apartments …., or NOT ALLOWED at ALL inside apartments?**

(1) ALLOWED INSIDE ALL apartments or living areas
(2) ALLOWED inside SOME apartments
(3) NOT ALLOWED at ALL inside apartments

|_|

K6b   **In indoor work areas, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL?**

(1) Allowed in ALL areas
(2) Allowed in SOME areas
(3) NOT Allowed at ALL

|_|

K6c   **Inside bars, cocktail lounges, and clubs, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL?**

(1) Allowed in ALL areas
(2) Allowed in SOME areas
(3) NOT Allowed at ALL

|_|

K6g   **Inside casinos, do you THINK that smoking SHOULD be allowed in ALL areas, allowed in SOME areas, or NOT allowed at ALL?**

(1) Allowed in ALL areas
(2) Allowed in SOME areas
(3) NOT Allowed at ALL

|_|

K6h   **Inside a car, when there are other people present, do you THINK that smoking SHOULD…**

(1) Always be allowed
(2) Be allowed under some conditions
(3) Never be allowed

|_|

[IF K6h = 1, 2, D OR R, GO TO K6h2]
[IF K6h = 3, GO TO K8]

K6h2 IF children are present inside the car, do you think that smoking SHOULD…

   (1)   Always be allowed
   (2)   Be allowed under some conditions
   (3)   Never be allowed

|_|

K8   **In the past 6 months, have you seen messages in newspapers or on television that say that a Federal Court has ordered tobacco companies to make statements about the dangers of smoking cigarettes?**

(1) YES
(2) NO

K9INTRO **The last few questions are about heated tobacco products. Some people refer to these as "heat-not-burn" tobacco products. These heat TOBACCO STICKS or CAPSULES to produce a vapor. They are different from e-cigarettes, which heat a LIQUID to produce a vapor. Some brands of heated tobacco products include iQOS (PRONOUNCED "eye-kos"), glo (PRONOUNCED "glow"), and Eclipse.**

K9   **Before today, have you heard of "heated tobacco products"?**

(1) YES
(2) NO

|__|

K10   **Have you ever tried a "heated tobacco product", even just one time?**

(1) YES
(2) NO

|__|

S78   *** DO NOT READ ***

Enter line number of the person who
answered the supplement questions for
(NAME)

|__|__|

HOUSEHOLD ROSTER	
LN NAME	
01 (Person 1)	
02 (Person 2)	
03 (Person 3)	
………….	
…………….	

[GO TO SINTTP]

SINTTP *** DO NOT READ ***

In what language was the interview conducted for this person?

(1) English
(2) Spanish
(3) Chinese
(4) Korean
(5) Vietnamese
(6) Thai -Khmer
(7) Other Asian or Asian unspecified
(8) Other

|__|

ATTACHMENT 9

INDUSTRY CLASSIFICATION

Industry Classification Codes for Detailed Industry (4 digit)
(Starting January 2014)

These categories are aggregated into 52 detailed groups and 14 major groups (see pages 10-12 of this attachment). The codes in the right hand column are the NAICS equivalent.

These codes correspond to Items PEIO1ICD and PEIO2ICD, in positions 856-859 and 864-867 of the Basic CPS record layout in all months, **except March**. In the **March**, these codes correspond to PEIOIND and INDUSTRY, in positions 168-171 and 292-295 of the Person record.

CENSUS CODE	DESCRIPTION	NAICS CODE
	Agriculture, Forestry, Fishing, and Hunting	
0170	Crop production	111
0180	Animal production	112
0190	Forestry except logging	1131, 1132
0270	Logging	1133
0280	Fishing, hunting, and trapping	114
0290	Support activities for agriculture and forestry	115
	Mining	
0370	Oil and gas extraction	211
0380	Coal mining	2121
0390	Metal ore mining	2122
0470	Nonmetallic mineral mining and quarrying and not specified type of mining	Part of 21
0490	Support activities for mining	213
	Utilities	
0570	Electric power generation, transmission and distribution	Pt. 2211
0580	Natural gas distribution	Pt. 2212
0590	Electric and gas, and other combinations	Pts. 2211, 2212
0670	Water, steam, air-conditioning, and irrigation systems	22131, 22133
0680	Sewage treatment facilities	22132
0690	Not specified utilities	Part of 22

CODE	DESCRIPTION	INDUSTRY CODE

Construction

0770	** Construction	23
	(Includes the cleaning of buildings and dwellings is incidental during construction and immediately after construction)	

Manufacturing
Nondurable Goods manufacturing

1070	Animal food, grain and oilseed milling	3111, 3112
1080	Sugar and confectionery products	3113
1090	Fruit and vegetable preserving and specialty food manufacturing	3114
1170	Dairy product manufacturing	3115
1180	Animal slaughtering and processing	3116
1190	Retail bakeries	311811
1270	Bakeries, except retail	3118 exc. 311811
1280	Seafood and other miscellaneous foods, n.e.c.	3117, 3119
1290	Not specified food industries	Part of 311
1370	Beverage manufacturing	3121
1390	Tobacco manufacturing	3122
1470	Fiber, yarn, and thread mills	3131
1480	Fabric mills, except knitting	3132 exc. 31324
1490	Textile and fabric finishing and coating mills	3133
1570	Carpet and rug mills	31411
1590	Textile product mills, except carpets and rugs	314 exc. 31411
1670	Knitting mills	31324, 3151
1680	Cut and sew apparel manufacturing	3152
1690	Apparel accessories and other apparel manufacturing	3159
1770	Footwear manufacturing	3162
1790	Leather tanning and products, except footwear manufacturing	3161, 3169
1870	Pulp, paper, and paperboard mills	3221
1880	Paperboard containers and boxes	32221
1890	Miscellaneous paper and pulp products	32222, 32223, 32229
1990	Printing and related support activities	3231
2070	Petroleum refining	32411
2090	Miscellaneous petroleum and coal products	32419
2170	Resin, synthetic rubber and fibers, and filaments manufacturing	3252
2180	Agricultural chemical manufacturing	3253
2190	Pharmaceutical and medicine manufacturing	3254
2270	Paint, coating, and adhesive manufacturing B46	3255
2280	Soap, cleaning compound, and cosmetics manufacturing	3256
2290	Industrial and miscellaneous chemicals	3251, 3259
2370	Plastics product manufacturing	3261
2380	Tire manufacturing	32621
2390	Rubber products, except tires, manufacturing	32622, 32629

CODE	DESCRIPTION	INDUSTRY CODE

Durable Goods Manufacturing

Code	Description	Industry Code
2470	Pottery, ceramics, and related products manufacturing	32711
2480	Structural clay product manufacturing	32712
2490	Glass and glass product manufacturing	3272
2570	Cement, concrete, lime, and gypsum product manufacturing	3273, 3274
2590	Miscellaneous nonmetallic mineral product manufacturing	3279
2670	Iron and steel mills and steel product manufacturing	3311, 3312
2680	Aluminum production and processing	3313
2690	Nonferrous metal, except aluminum, production and processing	3314
2770	Foundries	3315
2780	Metal forgings and stampings	3321
2790	Cutlery and hand tool manufacturing	3322
2870	Structural metals, and tank and shipping container manufacturing	3323, 3324
2880	Machine shops; turned product; screw, nut and bolt manufacturing	3327
2890	Coating, engraving, heat treating and allied activities	3328
2970	Ordnance	332992 to 332995
2980	Miscellaneous fabricated metal products manufacturing	3325, 3326, 3329 exc. 332992, 332993, 332994, 332995
2990	Not specified metal industries	Part of 331 and 332
3070	Agricultural implement manufacturing	33311
3080	Construction, mining and oil field machinery manufacturing	33312, 33313
3095	Commercial and service industry machinery manufacturing	3333
3170	Metalworking machinery manufacturing	3335
3180	Engines, turbines, and power transmission equipment manufacturing	3336
3190	Machinery manufacturing, n.e.c.	Part of 333
3365	Computer and peripheral equipment manufacturing	3341
3370	Communications, audio, and video equipment manufacturing	3342, 3343
3380	Navigational, measuring, electromedical, and control instruments manufacturing	3345
3390	Electronic component and product manufacturing, n.e.c.	3344, 3346
3470	Household appliance manufacturing	3352
3490	Electrical lighting, equipment, and supplies manufacturing, n.e.c.	3351, 3353, 3359
3570	Motor vehicles and motor vehicle equipment manufacturing	3361, 3362, 3363
3580	Aircraft and parts manufacturing	336411 to 336413
3590	Aerospace products and parts manufacturing	336414, 336415, 336419
3670	Railroad rolling stock manufacturing	3365
3680	Ship and boat building	3366
3690	Other transportation equipment manufacturing	3369

CODE	DESCRIPTION	INDUSTRY CODE
3770	Sawmills and wood preservation	3211
3780	Veneer, plywood, and engineered wood products	3212
3790	Prefabricated wood buildings and mobile homes	321991, 321992
3875	Miscellaneous wood products	3219 exc. 321991, 321992
3895	Furniture and related product manufacturing	337
3960	Medical equipment and supplies manufacturing	3391
3970	Toys, amusement, and sporting goods manufacturing	33992, 33993
3980	Miscellaneous manufacturing, n.e.c.	3399 exc. 33992, 33993
3990	Not specified manufacturing industries	Part of 31, 32, 33

Wholesale Trade
Durable Goods Wholesale

CODE	DESCRIPTION	INDUSTRY CODE
4070	Motor vehicles, parts and supplies, merchant wholesalers	4231
4080	Furniture and home furnishing, merchant wholesalers	4232
4090	Lumber and other construction materials, merchant wholesalers	4233
4170	Professional and commercial equipment and supplies, merchant wholesalers	4234
4180	Metals and minerals, except petroleum, merchant wholesalers	4235
4195	Electrical goods, merchant wholesalers	4236
4265	Hardware, plumbing and heating equipment, and supplies, merchant wholesalers	4237
4270	Machinery, equipment, and supplies, merchant wholesalers	4238
4280	Recyclable material, merchant wholesalers	42393
4290	Miscellaneous durable goods, merchant wholesalers	4239 exc. 42393

Nondurable Goods Wholesale

CODE	DESCRIPTION	INDUSTRY CODE
4370	Paper and paper products, merchant wholesalers	4241
4380	Drugs, sundries, and chemical and allied products, merchant wholesalers	4242, 4246
4390	Apparel, fabrics, and notions, merchant wholesalers	4243
4470	Groceries and related products, merchant wholesalers	4244
4480	Farm product raw materials, merchant wholesalers	4245
4490	Petroleum and petroleum products, merchant wholesalers	4247
4560	Alcoholic beverages, merchant wholesalers	4248
4570	Farm supplies, merchant wholesalers	42491
4580	Miscellaneous nondurable goods, merchant wholesalers	4249 exc. 42491
4585	Wholesale electronic markets, agents and brokers	4251
4590	Not specified wholesale trade	Part of 42

Retail Trade

CODE	DESCRIPTION	INDUSTRY CODE
4670	Automobile dealers	4411
4680	Other motor vehicle dealers	4412
4690	Auto parts, accessories, and tire stores	4413
4770	Furniture and home furnishings stores	442
4780	Household appliance stores	443111
4795	Radio, TV, and computer stores	443112, 44312
4870	Building material and supplies dealers	4441 exc. 44413
4880	Hardware stores	44413
4890	Lawn and garden equipment and supplies stores	4442
4970	Grocery stores	4451
4980	Specialty food stores	4452
4990	Beer, wine, and liquor stores	4453
5070	Pharmacies and drug stores	4461
5080	Health and personal care, except drug, stores	446 exc. 44611
5090	Gasoline stations	447
5170	Clothing and accessories, except shoe, stores	448 exc. 44821, 4483
5180	Shoe stores	44821
5190	Jewelry, luggage, and leather goods stores	4483
5275	Sporting goods, camera, and hobby and toy stores	44313, 45111, 45112
5280	Sewing, needlework, and piece goods stores	45113
5295	Music stores	45114, 45122
5370	Book stores and news dealers	45121
5380	Department stores and discount stores	45211
5390	Miscellaneous general merchandise stores	4529
5470	Retail florists	4531
5480	Office supplies and stationery stores	45321
5490	Used merchandise stores	4533
5570	Gift, novelty, and souvenir shops	45322
5580	Miscellaneous retail stores	4539
5590	Electronic shopping	454111
5591	Electronic auctions	454112
5592	Mail order houses	454113
5670	Vending machine operators	4542
5680	Fuel dealers	45431
5690	Other direct selling establishments	45439
5790	Not specified retail trade	Part of 44, 45

CODE	DESCRIPTION	INDUSTRY CODE

Transportation and Warehousing

CODE	DESCRIPTION	INDUSTRY CODE
6070	Air transportation	481
6080	Rail transportation	482
6090	Water transportation	483
6170	Truck transportation	484
6180	Bus service and urban transit	4851, 4852, 4854, 4855, 4859
6190	Taxi and limousine service	4853
6270	Pipeline transportation	486
6280	Scenic and sightseeing transportation	487
6290	Services incidental to transportation	488
6370	Postal Service	491
6380	Couriers and messengers	492
6390	Warehousing and storage	493

Information

CODE	DESCRIPTION	INDUSTRY CODE
6470	Newspaper publishers	51111
6480	Publishing, except newspapers and software	5111 exc. 51111
6490	Software publishing	5112
6570	Motion pictures and video industries	5121
6590	Sound recording industries	5122
6670	Radio and television broadcasting and cable	515
6672	Internet Publishing and Broadcasting	51913
6680	Wired telecommunications carriers	5171
6690	Other telecommunications services	517 exc. 5171
6695	Data processing, hosting, and related services	518
6770	Libraries and archives	51912
6780	Other information services	5191 exc. 51912, 51913

Finance, Insurance, Real Estate, and Rental and Leasing
Finance and Insurance

CODE	DESCRIPTION	INDUSTRY CODE
6870	Banking and related activities	521, 52211, 52219
6880	Savings institutions, including credit unions	52212, 52213
6890	Non-depository credit and related activities	5222, 5223
6970	Securities, commodities, funds, trusts, and other financial investments	523, 525
6990	Insurance carriers and related activities	524

Real Estate and Rental and Leasing

Code	Description	Industry Code
7070	Real estate	531
7080	Automotive equipment rental and leasing	5321
7170	Video tape and disk rental	53223
7180	Other consumer goods rental	53221, 53222, 53229, 5323
7190	Commercial, industrial, and other intangible assets rental and leasing	5324, 533

Professional, Scientific, Management, Administrative, and Waste management services
    Professional, Scientific, and Technical Services

Code	Description	Industry Code
7270	Legal services	5411
7280	Accounting, tax preparation, bookkeeping, and payroll services	5412
7290	Architectural, engineering, and related services	5413
7370	Specialized design services	5414
7380	Computer systems design and related services	5415
7390	Management, scientific, and technical consulting services	5416
7460	Scientific research and development services	5417
7470	Advertising and related services	5418
7480	Veterinary services	54194
7490	Other professional, scientific, and technical services	5419 exc. 54194

    Management, Administrative and Support, and Waste Management Services

    Management of companies and enterprises

Code	Description	Industry Code
7570	Management of companies and enterprises	551

    Administrative and support and waste management services

Code	Description	Industry Code
7580	Employment services	5613
7590	Business support services	5614
7670	Travel arrangements and reservation services	5615
7680	Investigation and security services	5616
7690	Services to buildings and dwellings	5617 exc. 56173
	(except cleaning during construction and immediately after construction)	7770
7770	Landscaping services	56173
7780	Other administrative and other support services	5611, 5612, 5619
7790	Waste management and remediation services	562

Educational, Health and Social Services

Educational Services

Code	Description	Industry Code
7860	Elementary and secondary schools	6111
7870	Colleges and universities, including junior colleges	6112, 6113
7880	Business, technical, and trade schools and training	6114, 6115
7890	Other schools, instruction, and educational services	6116, 6117

Health Care and Social Assistance

Code	Description	Industry Code
7970	Offices of physicians	6211
7980	Offices of dentists	6212
7990	Offices of chiropractors	62131
8070	Offices of optometrists	62132
8080	Offices of other health practitioners	6213 exc. 62131, 62132
8090	Outpatient care centers	6214
8170	Home health care services	6216
8180	Other health care services	6215, 6219
8190	Hospitals	622
8270	Nursing care facilities	6231
8290	Residential care facilities, without nursing	6232, 6233, 6239
8370	Individual and family services	6241
8380	Community food and housing, and emergency services	6242
8390	Vocational rehabilitation services	6243
8470	Child day care services	6244

Arts, Entertainment, Recreation, Accommodation, and Food Services

Arts, Entertainment, and Recreation

Code	Description	Industry Code
8560	Independent artists, performing arts, spectator sports, and related industries	711
8570	Museums, art galleries, historical sites, and similar institutions	712
8580	Bowling centers	71395
8590	Other amusement, gambling, and recreation industries	713 exc. 71395

Accommodation and Food Service

Code	Description	Industry Code
8660	Traveler accommodation	7211
8670	Recreational vehicle parks and camps, and rooming and boarding houses	7212, 7213
8680	Restaurants and other food services	722 exc. 7224
8690	Drinking places, alcoholic beverages	7224

CODE	DESCRIPTION	INDUSTRY CODE

Other Services (Except Public Administration)

8770	Automotive repair and maintenance	8111 exc. 811192
8780	Car washes	811192
8790	Electronic and precision equipment repair and maintenance	8112
8870	Commercial and industrial machinery and equipment repair and maintenance	8113
8880	Personal and household goods repair and maintenance and footwear and leather goods repair	8114
8970	Barber shops	812111
8980	Beauty salons	812112
8990	Nail salons and other personal care services	812113, 81219
9070	Dry cleaning and laundry services	8123
9080	Funeral homes, cemeteries, and crematories	8122
9090	Other personal services	8129
9160	Religious organizations	8131
9170	Civic, social, advocacy organizations, and grant making and giving services	8132, 8133, 8134
9180	Labor unions	81393
9190	Business, professional, political, and similar organizations	8139 exc. 81393
9290	Private households	814

Public Administration

9370	Executive offices and legislative bodies	92111, 92112, 92114, pt. 92115
9380	Public finance activities	92113
9390	Other general government and support	92119
9470	Justice, public order, and safety activities	922, pt. 92115
9480	Administration of human resource programs	923
9490	Administration of environmental quality and housing programs	924, 925
9570	Administration of economic programs and space research	926, 927
9590	National security and international affairs	925

Armed Forces

9890	Armed Forces	9281

These codes correspond to Items PRDTIND1 and PRDTIND2 in positions 472-475 of the Basic CPS record layout in all months **except** March. In **March**, these codes correspond to Item A-DTIND and are located in positions 209-210.

CODE	DESCRIPTION	INDUSTRY CODE
1	Agriculture	0170 - 0180, 0290
2	Forestry, logging, fishing, hunting, and trapping	0190 - 0280
3	Mining	0370 - 0490
4	Construction	0770
5	Nonmetallic mineral products	2470 - 2590
6	Primary metals and fabricated metal products	2670 - 2990
7	Machinery manufacturing	3070 - 3290
8	Computer and electronic products	3365 - 3390
9	Electrical equipment, appliance manufacturing	3470, 3490
10	Transportation equipment manufacturing	3570 - 3690
11	Wood products	3770 - 3875
12	Furniture and fixtures manufacturing	3895
13	Miscellaneous and not specified manufacturing	3960 - 3990
14	Food manufacturing	1070 - 1290
15	Beverage and tobacco products	1370, 1390
16	Textile, apparel, and leather manufacturing	1470 - 1790
17	Paper and printing	1870 - 1990
18	Petroleum and coal products	2070, 2090
19	Chemical manufacturing	2170 - 2290
20	Plastics and rubber products	2370 - 2390
21	Wholesale trade	4070 - 4590
22	Retail trade	4670 - 5790
23	Transportation and warehousing	6070 - 6390
24	Utilities	0570 - 0690
25	Publishing industries (except internet)	6470 - 6490
26	Motion picture and sound recording industries	6570, 6590
27	Broadcasting (except internet)	6670
28	Internet publishing and broadcasting	6675
29	Telecommunications	6680, 6690
30	Internet service providers and data processing services	6692, 6695
31	Other information services	6770, 6780
32	Finance	6870 - 6970
33	Insurance	6990
34	Real estate	7070
35	Rental and leasing services	7080 - 7190
36	Professional and technical services	7270 – 7490
37	Management of companies and enterprises	7570
38	Administrative and support services	7580 - 7780
39	Waste management and remediation services	7790
40	Educational services	7860 - 7890
41	Hospitals	8190
42	Health care services, except hospitals	7970 - 8180

CODE	DESCRIPTION	INDUSTRY CODE
43	Social assistance	8370 - 8470
44	Arts, entertainment, and recreation	8560 - 8590
45	Accommodation	8660, 8670
46	Food services and drinking places	8680, 8690
47	Repair and maintenance	8770 - 8890
48	Personal and laundry services	8970 - 9090
49	Membership associations and organizations	9160 - 9190
50	Private households	9290
51	Public administration	9370 - 9590
52	Armed forces	9890

Major Industry Recodes
(01-14)

These codes correspond to Items PRMJIND1 and PRMJIND2 located in positions 482-485 of the Basic CPS record layout in all months **except** March. In **March**, these codes correspond to Item A-MJIND and are located in positions 207-208.

CODE	DESCRIPTION	INDUSTRY CODE
1	Agriculture, forestry, fishing, and hunting	0170-0290
2	Mining	0370-0490
3	Construction	0770
4	Manufacturing	1070-3990
5	Wholesale and retail trade	4070-5790
6	Transportation and utilities	6070-6390, 0570-
7	Information	6470-6780
8	Financial activities	6870-7190
9	Professional and business services	7270-7790
10	Educational and health services	7860-8470
11	Leisure and hospitality	8560-8690
12	Other services	8770-9290
13	Public administration	9370-9590
14	Armed Forces	9890

APPENDIX 10

OCCUPATION CLASSIFICATION

(Beginning May 2012)

These categories are aggregated into 23 detailed groups and 11 major groups (see pages 10-13 and 10-14).The codes in the right hand column are the 2010 SOC equivalent.

These codes correspond to items PEIO1OCD and PEIO2OCD in positions 860-863 and 868-871 of the Basic CPS record layout in all months. In **ASEC**, these codes correspond to items PEIOOCC and OCCUP located in positions 172-172 and 296-299 of the Persons Record. These codes are also applicable for any other CPS supplements that collect occupation data.

2010 CENSUS CODE	DESCRIPTION	2010 SOC CODE
	Management Occupations	
0010	Chief executives	11-1011
0020	General and operations managers	11-1021
0040	Advertising and promotions managers	11-2011
0050	Marketing and sales managers	11-2020
0060	Public relations managers	11-2031
0100	Administrative services managers	11-3011
0110	Computer and information systems managers	11-3021
0120	Financial managers	11-3031
0135	Compensation and benefits managers	11-3111
0136	Human resources managers	11-3121
0137	Training and development managers	11-3131
0140	Industrial production managers	11-3051
0150	Purchasing managers	11-3061
0160	Transportation, storage, and distribution managers	11-3071
0205	Farmers, ranchers, and other agricultural managers	11-9013
0220	Construction managers	11-9021
0230	Education administrators	11-9030
0300	Engineering managers	11-9041
0310	Food service managers	11-9051
0330	Gaming managers	11-9071
0340	Lodging managers	11-9081
0350	Medical and health services managers	11-9111
0360	Natural sciences managers	11-9121
0410	Property, real estate, and community association managers	11-9141
0420	Social and community service managers	11-9151
0425	Emergency management directors	11-9161

| 0430 | Managers, all other | 11-XXXX |

Business and Financial Operations Occupations

Business Operations Specialists

0500	Agents and business managers of artists, performers, and athletes	13-1011
0510	Purchasing agents and buyers, farm products	13-1021
0520	Wholesale and retail buyers, except farm products	13-1022
0530	Purchasing agents, except wholesale, retail, and farm products	13-1023
0540	Claims adjusters, appraisers, examiners, and investigators	13-1030
0565	Compliance officers	13-1041
0600	Cost estimators	13-1051
0630	Human resource workers	13-1070
0640	Compensation, benefits, and job analysis specialists	13-1141
0650	Training and development specialists	13-1151
0700	Logisticians	13-1081
0710	Management analysts	13-1111
0725	Meeting, convention, and event planners	13-1121
0726	Fundraisers	13-1131
0735	Market research analysts and marketing specialists	13-1161
0740	Business operations specialists, all other	13-1199

Financial Specialists

0800	Accountants and auditors	13-2011
0810	Appraisers and assessors of real estate	13-2021
0820	Budget analysts	13-2031
0830	Credit analysts	13-2041
0840	Financial analysts	13-2051
0850	Personal financial advisors	13-2052
0860	Insurance underwriters	13-2053
0900	Financial examiners	13-2061
0910	Loan counselors and officers	13-2070
0930	Tax examiners, collectors, and revenue agents	13-2081
0940	Tax prepares	13-2082
0950	Financial specialists, all other	13-2099

Computer and Mathematical Occupations

1005	Computer and information research scientists	15-1111
1006	Computer systems analysts	15-1121
1007	Information security analysts	15-1122
1010	Computer programmers	15-1131
1020	Software developers, applications and systems software	15-113X
1030	Web developers	15-1134
1050	Computer support specialists	15-1150
1060	Database administrators	15-1141
1105	Network and computer systems administrators	15-1142
1106	Computer network architects	15-1143

1107	Computer occupations, all other	15-1199
1200	Actuaries	15-2011
1220	Operations research analysts	15-20XX
1240	Mathematicians, statisticians and miscellaneous mathematical science occupations	

Architecture and Engineering Occupations

1300	Architects, except naval	17-1010
1310	Surveyors, cartographers, and photogrammetrists	17-1020
1320	Aerospace engineers	17-2011
1340	Agricultural and biomedical engineers	17-20XX
1350	Chemical engineers	17-2041
1360	Civil engineers	17-2051
1400	Computer hardware engineers	17-2061
1410	Electrical and electronic engineers	17-2070
1420	Environmental engineers	17-2081
1430	Industrial engineers, including health and safety	17-2110
1440	Marine engineers and naval architects	17-2121
1450	Materials engineers	17-2131
1460	Mechanical engineers	17-2141
1500	Mining and geological engineers, including mining safety engineers	17-2151
1510	Nuclear engineers	17-2161
1520	Petroleum engineers	17-2171
1530	Engineers, all other	17-2199
1540	Drafters	17-3010
1550	Engineering technicians, except drafters	17-3020
1560	Surveying and mapping technicians	17-3031

Life, Physical, and Social Science Occupations

1600	Agricultural and food scientists	19-1010
1610	Biological scientists	19-1020
1640	Conservation scientists and foresters	19-1030
1650	Medical scientists and life scientists, all other	19-10XX
1700	Astronomers and physicists	19-2010
1710	Atmospheric and space scientists	19-2021
1720	Chemists and materials scientists	19-2030
1740	Environmental scientists and geoscientists	19-2040
1760	Physical scientists, all other	19-2099
1800	Economists	19-3011
1820	Psychologists	19-3030
1840	Urban and regional planners	19-3051
1860	Miscellaneous social scientists, including survey researchers and sociologists	19-30XX
1900	Agricultural and food science technicians	19-4011
1910	Biological technicians	19-4021
1920	Chemical technicians	19-4031
1930	Geological and petroleum technicians	19-4041
1965	Miscellaneous life, physical, and social science technicians	

2010
CENSUS
CODE   DESCRIPTION

2010
SOC
CODE

Community and Social Services Occupations

Code	Description	SOC Code
2000	Counselors	21-1010
2010	Social workers	21-1020
2015	Probation officers and correctional treatment specialists	21-1092
2016	Social and human service assistants	21-1093
2025	Miscellaneous community and social service specialists, including health educators and community health workers	21-109X
2040	Clergy	21-2011
2050	Directors, religious activities and education	21-2021
2060	Religious workers, all other	21-2099

Legal Occupations

Code	Description	SOC Code
2100	Lawyers, Judges, magistrates, and other judicial workers	23-1011
		23-1020
2105	Judicial law clerks	23-1012
2145	Paralegals and legal assistants	23-2011
2160	Miscellaneous legal support workers	23-2090

Education, Training, and Library Occupations

Code	Description	SOC Code
2200	Postsecondary teachers	25-1000
2300	Preschool and kindergarten teachers	25-2010
2310	Elementary and middle school teachers	25-2020
2320	Secondary school teachers	25-2050
2330	Special education teachers	25-2040
2340	Other teachers and instructors	25-3000
2400	Archivists, curators, and museum technicians	25-4010
2430	Librarians	25-4021
2440	Library technicians	25-4031
2540	Teacher assistants	25-9041
2550	Other education, training, and library workers	25-90XX

Arts, Design, Entertainment, Sports, and Media Occupations

Code	Description	SOC Code
2600	Artists and related workers	27-1010
2630	Designers	27-1020
2700	Actors	27-2011
2710	Producers and directors	27-2012
2720	Athletes, coaches, umpires, and related workers	27-2020
2740	Dancers and choreographers	27-2030
2750	Musicians, singers, and related workers	27-2040
2760	Entertainers and performers, sports and related workers, all other	27-2099
2800	Announcers	27-3010
2810	News analysts, reporters and correspondents	27-3020
2825	Public relations specialists	27-3031
2830	Editors	27-3041
2840	Technical writers	27-3042
2850	Writers and authors	27-3043

2860	Miscellaneous media and communication workers	27-3090
2900	Broadcast and sound engineering technicians and radio operators, and media and communication equipment workers, all other	27-40XX
2910	Photographers	27-4021
2920	Television, video, and motion picture camera operators and editors	27-4030

Healthcare Practitioners and Technical Occupations

3000	Chiropractors	29-1011
3010	Dentists	29-1020
3030	Dietitians and nutritionists	29-1031
3040	Optometrists	29-1041
3050	Pharmacists	29-1051
3060	Physicians and surgeons	29-1060
3110	Physician assistants	29-1071
3140	Audiologists	29-1181
3150	Occupational therapists	29-1122
3160	Physical therapists	29-1123
3200	Radiation therapists	29-1124
3210	Recreational therapists	29-1125
3220	Respiratory therapists	29-1126
3230	Speech-language pathologists	29-1127
3245	Exercise physiologists and therapists, all other	29-112X
3250	Veterinarians	29-1131
3255	Registered nurses	29-1141
3256	Nurse anesthetists	29-1151
3258	Nurse midwives and nurse practitioners	29-11XX
3260	Health diagnosing and treating practitioners, all other	29-1199
3300	Clinical laboratory technologists and technicians	29-2010
3310	Dental hygienists	29-2021
3320	Diagnostic related technologists and technicians	29-2030
3400	Emergency medical technicians and paramedics	29-2041
3420	Health diagnosing and treating practitioner support technicians	29-2050
3500	Licensed practical and licensed vocational nurses	29-2061
3510	Medical records and health information technicians	29-2071
3520	Opticians, dispensing	29-2081
3535	Miscellaneous health technologists and technicians	29-2090
3540	Other healthcare practitioners and technical occupations, including podiatrists	29-XXXX

Healthcare Support Occupations

3600	Nursing, psychiatric, and home health aides	31-1010
3610	Occupational therapist assistants and aides	31-2010
3620	Physical therapist assistants and aides	31-2020
3630	Massage therapists	31-9011
3640	Dental assistants	31-9091
3645	Medical assistants	31-9092
3646	Medical transcriptionists	31-9094
3647	Pharmacy aides	31-9095
3648	Veterinary assistants and laboratory animal caretakers	31-9096
3649	Phlebotomists	31-9097

3655	Miscellaneous healthcare support occupations, including medical equipment preparers	31-909X

Protective Service Occupations

3700	First-line supervisors/managers of correctional officers	33-1011
3710	First-line supervisors/managers of police and detectives	33-1012
3720	First-line supervisors/managers of fire fighting and prevention workers	33-1021
3730	Supervisors, protective service workers, all other	33-1099
3740	Fire fighters	33-2011
3750	Fire inspectors	33-2020
3800	Bailiffs, correctional officers, and jailers	33-3010
3820	Detectives and criminal investigators	33-3021
3840	Miscellaneous law enforcement workers	33-30XX
3850	Police officers	33-3050
3900	Animal control workers	33-9011
3910	Private detectives and investigators	33-9021
3930	Security guards and gaming surveillance officers	33-9030
3940	Crossing guards	33-9091
3945	Transportation security screeners	33-9093
3955	Lifeguards and other recreational and all other protective service workers	33-909X

Food Preparation and Serving Related Occupations

4000	Chefs and head cooks	35-1011
4010	First-line supervisors/managers of food preparation and serving workers	35-1012
4020	Cooks	35-2010
4030	Food preparation workers	35-2021
4040	Bartenders	35-3011
4050	Combined food preparation and serving workers, including fast food	35-3021
4060	Counter attendants, cafeteria, food concession, and coffee shop	35-3022
4110	Waiters and waitresses	35-3031
4120	Food servers, nonrestaurant	35-3041
4130	Food preparation and serving related workers, all other including dining room and cafeteria attendants and bartender helpers	35-9011
4140	Dishwashers	35-9021
4150	Hosts and hostesses, restaurant, lounge, and coffee shop	35-9031

Building and Grounds Cleaning and Maintenance Occupations

4200	First-line supervisors/managers of housekeeping and janitorial workers	37-1011
4210	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	37-1012
4220	Janitors and building cleaners	31-201X
4230	Maids and housekeeping cleaners	37-2012
4240	Pest control workers	37-2021
4250	Grounds maintenance workers	37-3010

Personal Care and Service Occupations

4300	First-line supervisors/managers of gaming workers	39-1010
4320	First-line supervisors/managers of personal service workers	39-1021
4340	Animal trainers	39-2011
4350	Nonfarm animal caretakers	39-2021
4400	Gaming services workers	39-3010
4410	Motion picture projectionists	39-3021
4420	Ushers, lobby attendants, and ticket takers	39-3031
4430	Miscellaneous entertainment attendants and related workers	39-3090
4460	Embalmers and funeral attendants	39-40XX
4465	Morticians, undertakers, and funeral directors	39-4031
4500	Barbers	39-5011
4510	Hairdressers, hairstylists, and cosmetologists	39-5012
4520	Miscellaneous personal appearance workers	39-5090
4530	Baggage porters, bellhops, and concierges	39-6010
4540	Tour and travel guides	39-7010
4600	Child care workers	39-9011
4610	Personal and home care aides	39-9021
4620	Recreation and fitness workers	39-9030
4640	Residential advisors	39-9041
4650	Personal care and service workers, all other	39-9099

Sales and Related Occupations

4700	First-line supervisors/managers of retail sales workers	41-1011
4710	First-line supervisors/managers of non-retail sales workers	41-1012
4720	Cashiers	41-2010
4740	Counter and rental clerks	41-2021
4750	Parts salespersons	41-2022
4760	Retail salespersons	41-2031
4800	Advertising sales agents	41-3011
4810	Insurance sales agents	41-3021
4820	Securities, commodities, and financial services sales agents	41-3031
4830	Travel agents	41-3041
4840	Sales representatives, services, all other	41-3099
4850	Sales representatives, wholesale and manufacturing	41-4010
4900	Models, demonstrators, and product promoters	41-9010
4920	Real estate brokers and sales agents	41-9020
4930	Sales engineers	41-9031
4940	Telemarketers	41-9041
4950	Door-to-door sales workers, news and street vendors, and related workers	41-9091
4965	Sales and related workers, all other	41-9099

Office and Administrative Support Occupations

5000	First-line supervisors/managers of office and administrative support workers	43-1011
5010	Switchboard operators, including answering service	43-2011
5020	Telephone operators	43-2021
5030	Communications equipment operators, all other	43-2099

5100	Bill and account collectors	43-3011
5110	Billing and posting clerks and machine operators	43-3021
5120	Bookkeeping, accounting, and auditing clerks	43-3031
5130	Gaming cage workers	43-3041
5140	Payroll and timekeeping clerks	43-3051
5150	Procurement clerks	43-3061
5160	Tellers	43-3071
5165	Financial clerks, all other	43-3099
5200	Brokerage clerks	43-4011
5220	Court, municipal, and license clerks	43-4031
5230	Credit authorizers, checkers, and clerks	43-4041
5240	Customer service representatives	43-4051
5250	Eligibility interviewers, government programs	43-4061
5260	File Clerks	43-4071
5300	Hotel, motel, and resort desk clerks	43-4081
5310	Interviewers, except eligibility and loan	43-4111
5320	Library assistants, clerical	43-4121
5330	Loan interviewers and clerks	43-4131
5340	New accounts clerks	43-4141
5350	Correspondence clerks and order clerks	43-4XXX
5360	Human resources assistants, except payroll and timekeeping	43-4161
5400	Receptionists and information clerks	43-4171
5410	Reservation and transportation ticket agents and travel clerks	43-4181
5420	Information and record clerks, all other	43-4199
5500	Cargo and freight agents	43-5011
5510	Couriers and messengers	43-5021
5520	Dispatchers	43-5030
5530	Meter readers, utilities	43-5041
5540	Postal service clerks	43-5051
5550	Postal service mail carriers	43-5052
5560	Postal service mail sorters, processors, and processing machine operators	43-5053
5600	Production, planning, and expediting clerks	43-5061
5610	Shipping, receiving, and traffic clerks	43-5071
5620	Stock clerks and order fillers	43-5081
5630	Weighers, measurers, checkers, and samplers, recordkeeping	43-5111
5700	Secretaries and administrative assistants	43-6010
5800	Computer operators	43-9011
5810	Data entry keyers	43-9021
5820	Word processors and typists	43-9022
5840	Insurance claims and policy processing clerks	43-9041
5850	Mail clerks and mail machine operators, except postal service	43-9051
5860	Office clerks, general	43-9061
5900	Office machine operators, except computer	43-9071
5910	Proofreaders and copy markers	43-9081
5920	Statistical assistants	43-9111
5940	Office and administrative support workers, including desktop publishers	

Farming, Fishing, and Forestry Occupations

6005	First-line supervisors of farming, fishing, and forestry workers	45-1011
6010	Agricultural inspectors	45-2011
6040	Graders and sorters, agricultural products	45-2041
6050	Miscellaneous agricultural workers, including animal breeders	45-20XX
6100	Fishing and hunting workers	45-3000
6120	Forest and conservation workers	45-4011
6130	Logging workers	45-4020

Construction Trades

6200	First-line supervisors/managers of construction trades and extraction workers	47-1011
6210	Boilermakers	47-2011
6220	Brickmasons, blockmasons, and stonemasons	47-2020
6230	Carpenters	47-2031
6240	Carpet, floor, and tile installers and finishers	47-2040
6250	Cement masons, concrete finishers, and terrazzo workers	47-2050
6260	Construction laborers	47-2061
6300	Paving, surfacing, and tamping equipment operators	47-2071
6320	Construction equipment operators, except Paving, surfacing, and tamping equipment operators	47-207X
6330	Drywall installers, ceiling tile installers, and tapers	47-2080
6355	Electricians	47-2111
6360	Glaziers	47-2121
6400	Insulation workers	47-2130
6420	Painters, construction and maintenance and paperhangers	47-214X
6440	Pipelayers, plumbers, pipefitters, and steamfitters	47-2150
6460	Plasterers and stucco masons	47-2161
6500	Reinforcing iron and rebar workers	47-2171
6515	Roofers	47-2181
6520	Sheet metal workers	47-2211
6530	Structural iron and steel workers	47-2221
6600	Helpers, construction trades	47-3010
6660	Construction and building inspectors	47-4011
6700	Elevator installers and repairers	47-4021
6710	Fence erectors	47-4031
6720	Hazardous materials removal workers	47-4041
6730	Highway maintenance workers	47-4051
6740	Rail-track laying and maintenance equipment operators	47-4061
6750	Septic tank servicers and sewer pipe cleaners	47-4071
6765	Miscellaneous construction and related workers, including photovoltaic installers	

Extraction Workers

6800	Derrick, rotary drill, and service unit operators, oil, gas, and mining	47-5010
6820	Earth drillers, except oil and gas	47-5021
6830	Explosives workers, ordnance handling experts, and blasters	47-5031
6840	Mining machine operators	47-5040
6920	Roustabouts, oil and gas	47-5071
6940	Other extraction workers, including roof bolters and helpers	47-50XX

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Installation, Maintenance, and Repair Workers

7000	First-line supervisors/managers of mechanics, installers, and repairers	49-1011
7010	Computer, automated teller, and office machine repairers	49-2011
7020	Radio and telecommunications equipment installers and repairers	49-2020
7030	Avionics technicians	49-2091
7040	Electric motor, power tool, and related repairers	49-2092
7100	Electrical and electronics repairers, transportation equipment, industrial and utility	49-209X
7110	Electronic equipment installers and repairers, motor vehicles	49-2096
7120	Electronic home entertainment equipment installers and repairers	49-2097
7130	Security and fire alarm systems installers	49-2098
7140	Aircraft mechanics and service technicians	49-3011
7150	Automotive body and related repairers	49-3021
7160	Automotive glass installers and repairers	49-3022
7200	Automotive service technicians and mechanics	49-3023
7210	Bus and truck mechanics and diesel engine specialists	49-3031
7220	Heavy vehicle and mobile equipment service technicians and mechanics	49-3040
7240	Small engine mechanics	49-3050
7260	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	49-3090
7300	Control and valve installers and repairers	49-9010
7315	Heating, air conditioning, and refrigeration mechanics and installers	49-9021
7320	Home appliance repairers	49-9031
7330	Industrial and refractory machinery mechanics	49-904X
7340	Maintenance and repair workers, general	49-9071
7350	Maintenance workers, machinery	49-9043
7360	Millwrights	49-9044
7410	Electrical power-line installers and repairers	49-9051
7420	Telecommunications line installers and repairers	49-9052
7430	Precision instrument and equipment repairers	49-9060
7510	Coin, vending, and amusement machine servicers and repairers	49-9091
7540	Locksmiths and safe repairers	49-9094
7550	Manufactured building and mobile home installers	49-9095
7560	Riggers	49-9096
7610	Helpers--installation, maintenance, and repair workers	49-9098
7630	Other installation, maintenance, and repair workers, including wind turbine service technicians, commercial divers, and signal and train switch repairers	49-909X

Production Occupations

7700	First-line supervisors/managers of production and operating workers	51-1011
7710	Aircraft structure, surfaces, rigging, and systems assemblers	51-2011
7720	Electrical, electronics, and electromechanical assemblers	51-2020
7730	Engine and other machine assemblers	51-2031
7740	Structural metal fabricators and fitters	51-2041
7750	Miscellaneous assemblers and fabricators	51-2090
7800	Bakers	51-3011
7810	Butchers and other meat, poultry, and fish processing workers	51-3020
7830	Food and tobacco roasting, baking, and drying machine operators and tenders	51-3091
7840	Food batchmakers	51-3092

7850	Food cooking machine operators and tenders	51-3093
7855	Food processing workers, all other	51-3099
7900	Computer control programmers and operators	51-4010
7920	Extruding and drawing machine setters, operators, and tenders, metal and plastic	51-4021
7940	Rolling machine setters, operators, and tenders and forging machine setters, operators, and tenders, metal and plastic	51-402X
7950	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	51-4031
8000	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	51-4033
8010	Lathe and turning machine tool setters, operators, and tenders, metal and plastic	51-4034
8030	Machinists	51-4041
8040	Metal furnace and kiln operators and tenders	51-4050
8100	Molders and molding machine setters, operators, and tenders, metal and plastic	51-4070
8130	Tool and die makers	51-4111
8140	Welding, soldering, and brazing workers	51-4120
8200	Plating and coating machine setters, operators, and tenders, metal and plastic	51-4193
8210	Tool grinders, filers, and sharpeners	51-4194
8220	Metalworkers and plastic workers, all other	51-4XXX
8250	Prepress technicians and workers	51-5111
8255	Printing press operators	51-5112
8256	Print binding and finishing workers	51-5113
8300	Laundry and dry-cleaning workers	51-6011
8310	Pressers, textile, garment, and related materials	51-6021
8320	Sewing machine operators	51-6031
8330	Shoe and leather workers and repairers	51-6041
8350	Tailors, dressmakers, and sewers	51-6050
8400	Textile cutting machine setters, operators, and tenders	51-6062
8410	Textile knitting and weaving machine setters, operators, and tenders	51-6063
8420	Textile winding, twisting, and drawing out machine setters, operators and tenders	51-6064
8450	Upholsterers	51-6093
8460	Miscellaneous textile, apparel, and furnishings workers, except upholsterers	51-60XX
8500	Cabinetmakers and bench carpenters	51-7011
8510	Furniture finishers	51-7021
8530	Sawing machine setters, operators, and tenders, wood	51-7041
8540	Woodworking machine setters, operators, and tenders, except sawing	51-7042
8550	Miscellaneous woodworkers, including model makers and pattern makers	51-70XX
8600	Power plant operators, distributors, and dispatchers	51-8010
8610	Stationary engineers and boiler operators	51-8021
8620	Water and liquid waste treatment plant and system operators	51-8031
8630	Miscellaneous plant and system operators	51-8090
8640	Chemical processing machine setters, operators, and tenders	51-9010
8650	Crushing, grinding, polishing, mixing, and blending workers	51-9020
8710	Cutting workers	51-9030
8720	Extruding, forming, pressing, and compacting machine setters, operators, and tenders	51-9041
8730	Furnace, kiln, oven, drier, and kettle operators and tenders	51-9051
8740	Inspectors, testers, sorters, samplers, and weighers	51-9061
8750	Jewelers and precious stone and metal workers	51-9071
8760	Medical, dental, and ophthalmic laboratory technicians	51-9080
8800	Packaging and filling machine operators and tenders	51-9111
8810	Painting workers	51-9120
8830	Photographic process workers and processing machine operators	51-9130

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Code	Description	SOC Code
8850	Cementing and gluing machine operators and tenders	51-9191
8860	Cleaning, washing, and metal pickling equipment operators and tenders	51-9192
8910	Etchers and engravers	51-9194
8920	Molders, shapers, and casters, except metal and plastic	51-9195
8930	Paper goods machine setters, operators, and tenders	51-9196
8940	Tire builders	51-9197
8950	Helpers--production workers	51-9198
8965	Production workers, including semiconductor processors and cooling and freezing equipment operators	51-91XX

Transportation and Material Moving Occupations

Code	Description	SOC Code
9000	Supervisors, transportation and material moving workers	53-1000
9030	Aircraft pilots and flight engineers	53-2010
9040	Air traffic controllers and airfield operations specialists	53-2020
9110	Ambulance drivers and attendants, except emergency medical technicians	53-3011
9120	Bus drivers	53-3020
9130	Driver/sales workers and truck drivers	53-3030
9140	Taxi drivers and chauffeurs	53-3041
9150	Motor vehicle operators, all other	53-3099
9200	Locomotive engineers and operators	53-4010
9240	Railroad brake, signal, switch operators, conductors and yardmasters	53-40XX
9260	Subway, streetcar, and other rail transportation workers	53-30XX
9300	Sailors and marine oilers, and ship engineers	53-50XX
9310	Ship and boat captains and operators	53-5020
9350	Parking lot attendants	53-6021
9360	Service station attendants	53-6031
9410	Transportation inspectors	53-6051
9415	Transportation attendants, except flight attendants	53-6061
9420	Other transportation workers, including bridge and lock tenders	53-60XX
9510	Crane and tower operators	53-7021
9520	Dredge, excavating, and loading machine operators	53-7030
9560	Hoist and winch operators, and conveyor operators and tenders	53-70XX
9600	Industrial truck and tractor operators	53-7051
9610	Cleaners of vehicles and equipment	53-7061
9620	Laborers and freight, stock, and material movers, hand	53-7062
9630	Machine feeders and offbearers	53-7063
9640	Packers and packagers, hand	53-7064
9650	Pumping station operators	53-7070
9720	Refuse and recyclable material collectors	53-7081
9750	Material moving workers, including mine shuttle operators and tank car, truck, and ship loaders	53-71XX

Armed Forces

Code	Description	SOC Code
*9840	Armed Forces	

Detailed Occupation Recodes
(01-23)

These codes correspond to Items PRDTOCC1 and PRDTOCC2 in positions 476-479 of the Basic CPS record layout in all months **except** March. In **March**, these codes correspond to Item A-DTOCC and are located in positions 161-162.

CODE	CODE DESCRIPTION	OCCUPATION CODE
1	Management occupations	0010-0430
2	Business and financial operations occupations	0500-0950
3	Computer and mathematical science occupations	1000-1240
4	Architecture and engineering occupations	1300-1560
5	Life, physical, and social science occupations	1600-1965
6	Community and social service occupation	2000-2060
7	Legal occupations	2100-2160
8	Education, training, and library occupations	2200-2550
9	Arts, design, entertainment, sports, and media occupations	2600-2960
10	Healthcare practitioner and technical occupations	3000-3540
11	Healthcare support occupations	3600-3655
12	Protective service occupations	3700-3955
13	Food preparation and serving related occupations	4000-4160
14	Building and grounds cleaning and maintenance occupations	4200-4250
15	Personal care and service occupations	4300-4650
16	Sales and related occupations	4700-4965
17	Office and administrative support occupations	5000-5940
18	Farming, fishing, and forestry occupations	6000-6130
19	Construction and extraction occupations	6200-6940
20	Installation, maintenance, and repair occupations	7000-7630
21	Production occupations	7700-8965
22	Transportation and material moving occupations	9000-9750
23	Armed Forces	9840

These codes correspond to Items PRMJOCC1 and PRMJOCC2 located in positions 482-485 of the Basic CPS record layout in all months **except** March. In **March**, these codes correspond to Item A-MJOCC and are located in positions 159-160.

CODE	CODE DESCRIPTION	OCCUPATION CODE
1	Management, business, and financial occupations	0010-0950
2	Professional and related occupations	1000-3540
3	Service occupations	3600-4650
4	Sales and related occupations	4700-4965
5	Office and administrative support occupations	5000-5940
6	Farming, fishing, and forestry occupations	6000-6130
7	Construction and extraction occupations	6200-6940
8	Installation, maintenance, and repair occupations	7000-7630
9	Production occupations	7700-8965
10	Transportation and material moving occupations	9000-9750
11	Armed Forces	9840

ATTACHMENT 11

Specific Metropolitan Identifiers

(Geographic Attachment for
CPS Public Use File Documentation
Beginning August, 2015)

List 1.   FIPS Metropolitan Area (CBSA) Codes

List 2.   FIPS Consolidated Statistical Area (CSA) Codes

List 3.   Individual Principal Cities

List 4:   FIPS County Codes

Unless otherwise noted, all definitions for geographic areas on these lists reflect the February 28, 2013 OMB definitions.

LIST 1: FIPS Metropolitan Area (CBSA) Codes

Metropolitan Areas are defined using February 28, 2013 OMB definitions.

FIPS Code   Metropolitan   (CBSA) TITLE

10180   Abilene, TX
10420   Akron, OH
10580   Albany-Schenectady-Troy, NY
10740   Albuquerque, NM
10900   Allentown-Bethlehem-Easton, PA-NJ
11100   Amarillo, TX
11460   Ann Arbor, MI
11540   Appleton, WI
11700   Asheville, NC
12020   Athens-Clarke County, GA
12060   Atlanta-Sandy Springs-Roswell, GA
12100   Atlantic City-Hammonton, NJ
12220   Auburn-Opelika, AL
12260   Augusta-Richmond County, GA-SC
12420   Austin-Round Rock, TX
12540   Bakersfield, CA
12580   Baltimore-Columbia-Towson, MD
12620   Bangor, ME
12700   Barnstable, MA
12940   Baton Rouge, LA
12980   Battle Creek, MI
13140   Beaumont-Port Arthur, TX
13460   Bend-Redmond, OR
13740   Billings, MT
13780   Binghamton, NY
13820   Birmingham-Hoover, AL
13980   Blacksburg—Christiansburg-Radford, VA
14010   Bloomington, IL
14020   Bloomington, IN
14260   Boise City, ID
14460   Boston-Cambridge-Newton, MA-NH
14500   Boulder, CO
14540   Bowling Green, KY
14860   Bridgeport-Stamford-Norwalk, CT

FIPS Code	Metropolitan (CBSA) TITLE
15180	Brownsville-Harlingen, TX
15380	Buffalo-Cheektowaga-Niagara Falls, NY
15500	Burlington, NC
15540	Burlington-South Burlington, VT
15680	California-Lexington Park, MD
15940	Canton-Massillon, OH
15980	Cape Coral-Fort Myers, FL
16060	Carbondale-Marion, IL
16300	Cedar Rapids, IA
16540	Chambersburg-Waynesboro, PA
16580	Champaign-Urbana, IL
16620	Charleston, WV
16700	Charleston-North Charleston, SC
16740	Charlotte-Concord-Gastonia, NC-SC
16820	Charlottesville, VA
16860	Chattanooga, TN-GA
16980	Chicago-Naperville-Elgin, IL-IN-WI
17020	Chico, CA
17140	Cincinnati, OH-KY-IN
17300	Clarksville, TN-KY
17420	Cleveland, TN
17460	Cleveland-Elyria, OH
17660	Coeur d'Alene, ID
17780	College Station-Bryan, TX
17820	Colorado Springs, CO
17900	Columbia, SC
17980	Columbus, GA-AL
18140	Columbus, OH
18580	Corpus Christi, TX
19100	Dallas-Fort Worth-Arlington, TX
19300	Daphne-Fairhope-Foley, AL
19340	Davenport-Moline-Rock Island, IA-IL
19380	Dayton, OH
19660	Deltona-Daytona Beach-Ormond Beach, FL
19740	Denver-Aurora-Lakewood, CO
19780	Des Moines-West Des Moines, IA
19820	Detroit-Warren-Dearborn, MI
20100	Dover, DE
20500	Durham-Chapel Hill, NC
20700	East Stroudsburg, PA

FIPS Code	Metropolitan (CBSA) TITLE
21140	Elkhart-Goshen, IN
21340	El Paso, TX
21500	Erie, PA
21660	Eugene, OR
21780	Evansville, IN-KY
22020	Fargo, ND-MN
22140	Farmington, NM
22180	Fayetteville, NC
22220	Fayetteville-Springdale-Rogers, AR-MO
22420	Flint, MI
22500	Florence, SC
22520	Florence-Muscle Shoals, AL
22660	Fort Collins, CO
22900	Fort Smith, AR-OK
23060	Fort Wayne, IN
23420	Fresno, CA
23540	Gainesville, FL
23580	Gainesville, GA
24020	Glen Falls, NY
24140	Goldsboro, NC
24340	Grand Rapids-Wyoming, MI
24540	Greeley, CO
24580	Green Bay, WI
24660	Greensboro-High Point, NC
24780	Greenville, NC
24860	Greenville-Anderson-Mauldin, SC
25180	Hagerstown-Martinsburg, MD-WV
25260	Hanford-Corcoran, CA
25420	Harrisburg-Carlisle, PA
25540	Hartford-West Hartford-East Hartford, CT
25860	Hickory-Morganton-Lenoir, NC
25940	Hilton Head Island-Bluffton-Beaufort, SC
26420	Houston-Baytown-Sugar Land, TX
26580	Huntington-Ashland, WV-KY-OH
26620	Huntsville, AL
26820	Idaho Falls, ID
26900	Indianapolis, IN
26980	Iowa City, IA
27100	Jackson, MI
27140	Jackson, MS

FIPS Code	Metropolitan (CBSA) TITLE
27260	Jacksonville, FL
27340	Jacksonville, NC
27500	Janesville-Beloit, WI
27740	Johnson City, TN
27780	Johnstown, PA
27980	Kahului-Wailuku-Lahaina, HI
28020	Kalamazoo-Portage, MI
28140	Kansas City, MO-KS
28420	Kennewick-Richland, WA
28660	Killeen-Temple-Fort Hood, TX
28700	Kingsport-Bristol, TN-VA
28940	Knoxville, TN
29180	Lafayette, LA
29200	Lafayette-West Lafayette, IN
29340	Lake Charles, LA
29460	Lakeland-Winter Haven, FL
29540	Lancaster, PA
29620	Lansing-East Lansing, MI
29700	Laredo, TX
29740	Las Cruces, NM
29820	Las Vegas-Paradise, NV
30340	Lewiston-Auburn, ME
30460	Lexington-Fayette, KY
30780	Little Rock-North Little Rock, AR
30980	Longview, TX
31080	Los Angeles-Long Beach-Anaheim, CA
31140	Louisville, KY-IN
31180	Lubbock, TX
31420	Macon, GA
31540	Madison, WI
31700	Manchester-Nashua, NH
32580	McAllen-Edinburg-Mission, TX
32780	Medford, OR
32820	Memphis, TN-MS-AR
33100	Miami-Fort Lauderdale-West Palm Beach, FL
33340	Milwaukee-Waukesha-West Allis, WI
33460	Minneapolis-St Paul-Bloomington, MN-WI
33660	Mobile, AL
33700	Modesto, CA
33740	Monroe, LA

FIPS Code	Metropolitan (CBSA) TITLE
33780	Monroe, MI
33860	Montgomery, AL
34060	Morgantown, WV
34580	Mount Vernon-Anacortes, WA
34740	Muskegon-Norton Shores, MI
34820	Myrtle Beach-Conway-North Myrtle Beach, SC-NC
34940	Naples-Immokalee-Marco Island, FL
34980	Nashville-Davidson-Murfreesboro, TN
35300	New Haven-Milford, CT
35380	New Orleans-Metairie, LA
35620	New York-Newark- Jersey City, NY-NJ-PA (White Plains central city recoded to balance of metropolitan)
35660	Niles-Benton Harbor, MI
35840	North Port-Sarasota-Bradenton, FL
35980	Norwich-New London, CT
36100	Ocala, FL
36220	Odessa, TX
36260	Ogden-Clearfield, UT
36420	Oklahoma City, OK
36540	Omaha-Council Bluffs, NE-IA
36740	Orlando, FL
36780	Oshkosh-Neenah, WI
37100	Oxnard-Thousand Oaks-Ventura, CA
37340	Palm Bay-Melbourne-Titusville, FL
37460	Panama City, FL
37860	Pensacola-Ferry Pass-Brent, FL
37900	Peoria, IL
37980	Philadelphia-Camden-Wilmington, PA-NJ-DE
38060	Phoenix-Mesa-Scottsdale, AZ
38220	Pine Bluff, AR
38300	Pittsburgh, PA
38860	Portland-South Portland, ME
38900	Portland-Vancouver-Hillsboro, OR-WA
38940	Port St. Lucie-Fort Pierce, FL
39140	Prescott, AZ
39300	Providence-Warwick, RI-MA
39340	Provo-Orem, UT
39540	Racine, WI
39580	Raleigh, NC
39740	Reading, PA

FIPS Code	Metropolitan (CBSA) TITLE
39820	Redding, CA
40060	Richmond, VA
40140	Riverside-San Bernardino-Ontario, CA
40220	Roanoke, VA
40380	Rochester, NY
40420	Rockford, IL
40900	Sacramento--Arden-Arcade–Roseville, CA
40980	Saginaw, MI
41100	St. George, UT
41180	St. Louis, MO-IL
41420	Salem, OR
41500	Salinas, CA
41540	Salisbury, MD
41620	Salt Lake City, UT
41700	San Antonio, TX
41740	San Diego-Carlsbad-San Marcos, CA
41860	San Francisco-Oakland-Fremont, CA
41940	San Jose-Sunnyvale-Santa Clara, CA
42020	San Luis Obispo-Paso Robles, CA
42100	Santa Cruz-Watsonville, CA
42140	Santa Fe, NM
42200	Santa Maria-Santa Barbara, CA
42220	Santa Rosa-Petaluma, CA
42340	Savannah, GA
42540	Scranton--Wilkes-Barre, PA
42660	Seattle-Tacoma-Bellevue, WA
43300	Sherman-Dennison, TX
43340	Shreveport-Bossier City, LA
43620	Sioux Falls, SD
43780	South Bend-Mishawaka, IN-MI
43900	Spartanburg, SC
44060	Spokane-Spokane Valley, WA
44100	Springfield, IL
44140	Springfield, MA
44180	Springfield, MO
44700	Stockton-Lodi, CA
45060	Syracuse, NY
45220	Tallahassee, FL
45300	Tampa-St. Petersburg-Clearwater, FL
45460	Terre Haute, IN

FIPS Code	Metropolitan (CBSA) TITLE
45780	Toledo, OH
45820	Topeka, KS
45940	Trenton, NJ
46060	Tucson, AZ
46140	Tulsa, OK
46340	Tyler, TX
46520	Urban Honolulu, HI
46540	Utica-Rome, NY
46700	Vallejo-Fairfield, CA
47220	Vineland-Bridgeton, NJ
47260	Virginia Beach-Norfolk-Newport News, VA-NC
47300	Visalia-Porterville, CA
47380	Waco, TX
47580	Warner Robins, GA
47900	Washington-Arlington-Alexandria, DC-VA-MD-WV
47940	Waterloo-Cedar Falls, IA
48060	Watertown-Fort Drum, NY
48140	Wausau, WI
48620	Wichita, KS
48660	Wichita Falls, TX
48700	Williamsport, PA
49020	Winchester, VA-WV
49180	Winston-Salem, NC
49340	Worcester, MA-CT
49620	York-Hanover, PA
49660	Youngstown-Warren-Boardman, OH-PA
49740	Yuma, AZ

LIST 2: FIPS Consolidated Statistical Area (CSA) Codes

The following CSA's (Combined Statistical Areas) contain 2 or more Metropolitan Statistical Areas that are in the CPS sample and are individually identified on the public use files. Micropolitan Statistical Areas are not specifically identified in the CPS and are not used to identify CSA's nor are parts of such areas coded as belonging to CSA's.   The component CBSA's identified on the CPS Public Use Files are listed for each CSA.

CSA Code	CBSA Code	CSA Title / Component Parts (CBSA's)
104		Albany-Schenectady, NY
	10580	Albany-Schenectady-Troy, NY
	24020	Glen Falls, NY
106		Albuquerque-Santa Fe-Las Vegas, NM
	10740	Albuquerque, NM
	42140	Santa Fe, NM
118		Appleton-Oshkosh-Neenah, WI
	11540	Appleton, WI
	36780	Oshkosh-Neenah, WI
122		Atlanta--Athens-Clarke County—Sandy Springs, GA
	12020	Athens-Clarke County, GA
	12060	Atlanta-Sandy Springs-Roswell, GA
	23580	Gainesville, GA
148		Boston-Worcester-Providence, MA-RI-NH-CT
	12700	Barnstable Town, MA
	14460	Boston-Cambridge-Newton-MA-NH
	31700	Manchester-Nashua, NH
	39300	Providence-Warwick, RI-MA
	49340	Worcester, MA-CT
162		Cape Coral-Fort Myers-Naples, FL
	15980	Cape Coral, FL
	34940	Naples-Immokalee-Marco Island, FL

CSA Code	CBSA Code	CSA Title Component Parts (CBSA's)
168		Cedar Rapids-Iowa City, IA
	16300	Cedar Rapids, IA
	26980	Iowa City, IA
170		Charleston-Huntington-Ashland, WV-OH-KY
	16620	Charleston, WV
	26580	Huntington-Ashland, WV-KY-OH
174		Chattanooga-Cleveland-Dalton, TN-GA
	16860	Chattanooga, TN-GA
	17420	Cleveland, TN
184		Cleveland-Akron-Canton, OH (part)
	10420	Akron, OH
	15940	Canton-Massillon, OH
	17460	Cleveland-Elyria-Mentor, OH
194		Columbus-Auburn-Opelika, GA-AL
	12220	Auburn-Opelika, AL
	17980	Columbus, GA
206		Dallas-Fort Worth, TX-OK
	19100	Dallas-Fort Worth-Arlington, TX
	43300	Sherman-Dennison, TX
216		Denver-Aurora, CO
	14500	Boulder, CO
	19740	Denver-Aurora-Lakewood, CO
	24540	Greeley, CO
220		Detroit-Warren-Ann Arbor, MI
	11460	Ann Arbor, MI
	19820	Detroit-Warren-Dearborn, MI
	22420	Flint, MI
	33780	Monroe, MI

CSA Code	CBSA Code	CSA Title Component Parts (CBSA's)
238		El Paso-Las Cruces, TX-NM
	21340	El Paso, TX
	29740	Las Cruces, NM
266		Grand Rapids-Wyoming-Muskegon, MI
	24340	Grand Rapids-Wyoming, MI
	26100	Holland-Grand Haven, MI*
	34740	Muskegon-Norton Shores, MI
268		Greensboro--Winston-Salem–High Point, NC
	15500	Burlington, NC
	24660	Greensboro-High Point, NC
	49180	Winston-Salem, NC
273		Greenville-Spartanburg-Anderson, SC
	24860	Greenville-Anderson-Mauldin, SC
	43900	Spartanburg, SC
276		Harrisburg-York-Lebanon, PA
	25420	Harrisburg-Carlisle, PA
	49620	York-Hanover, PA
278		Hartford-West Hartford, CT
	25540	Hartford-West Hartford-East Hartford, CT
	35980	Norwich-New London, CT
304		Johnson City-Kingsport-Bristol, TN-VA (part)
	27740	Johnson City, TN
	28700	Kingsport-Bristol, TN-VA
310		Kalamazoo-Battle Creek-Portage, MI
	12980	Battle Creek, MI
	28020	Kalamazoo-Portage, MI
340		Little Rock-North Little Rock, AR
	30780	Little Rock-North Little Rock-Conway, AR
	38220	Pine Bluff, AR

CSA Code	CBSA Code	CSA Title Component Parts (CBSA's)
348		Los Angeles-Long Beach-Riverside, CA
	31100	Los Angeles-Long Beach-Santa Ana, CA
	37100	Oxnard-Thousand Oaks-Ventura, CA
	40140	Riverside-San Bernardino-Ontario, CA
356		Macon-Warner Robins-Fort Valley, GA
	31420	Macon, GA
	47580	Warner Robins, GA
357		Madison-Janesville-Beloit, WI
	27500	Janesville-Beloit, WI
	31540	Madison, WI
370		Miami-Fort Lauderdale-Port St. Lucie, FL
	33100	Miami-Fort Lauderdale-West Palm Beach, FL
	38940	Port St. Lucie-Fort Pierce, FL
376		Milwaukee-Racine-Waukesha, WI
	33340	Milwaukee-Waukesha-West Allis, WI
	39540	Racine, WI
380		Mobile-Daphne-Fairhope, AL
	19300	Daphne-Fairhope, AL
	33660	Mobile, AL
408		New York-Newark-Bridgeport, NY-NJ-CT-PA
	10900	Allentown-Bethlehem-Easton, PA-NJ
	14860	Bridgeport-Stamford-Norwalk, CT
	20700	East Stroudsburg, PA
	35300	New Haven-Milford, CT
	35620	New York-Newark-Jersey City, NY-NJ-PA
	45940	Trenton, NJ
422		Orlando-Deltona-Daytona Beach, FL
	19660	Deltona-Daytona Beach-Ormond Beach, FL
	36740	Orlando-Kissimmee-Sanford, FL

CSA Code	CBSA Code	CSA Title / Component Parts (CBSA's)
428		Philadelphia-Reading-Camden, PA-NJ-DE-MD
	12100	Atlantic City-Hammonton, NJ
	20100	Dover, DE
	37980	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
	39740	Reading, PA
	47220	Vineland-Bridgeton, NJ
438		Portland-Lewiston-South Portland, ME
	30340	Lewiston-Auburn, ME
	38860	Portland-South Portland, ME
440		Portland-Vancouver-Salem, OR-WA
	38900	Portland-Vancouver-Hillsboro, OR-WA
	41420	Salem, OR
450		Raleigh-Durham-Cary, NC
	20500	Durham-Chapel Hill, NC
	39580	Raleigh, NC
482		Salt Lake City-Provo-Orem, UT
	36260	Ogden-Clearfield, UT
	39340	Provo-Orem, UT
	41620	Salt Lake City, UT
488		San Jose-San Francisco-Oakland, CA
	41860	San Francisco-Oakland-Hayward, CA
	41940	San Jose-Sunnyvale-Santa Clara, CA
	42100	Santa Cruz-Watsonville, CA
	42220	Santa Rosa, CA
	44700	Stockton-Lodi, CA
	46700	Vallejo-Fairfield, CA
500		Seattle-Tacoma-Olympia, WA
	34580	Mount Vernon-Anacortes, WA
	42660	Seattle-Tacoma-Bellevue, WA

CSA Code	CBSA Code	CSA Title / Component Parts (CBSA's)
515		South Bend-Elkhart-Mishawaka, IN-MI
	21140	Elkhart-Goshen, IN
	35660	Niles-Benton Harbor, MI
	43780	South Bend-Mishawaka, IN-MI
518		Spokane-Spokane Valley-Coeur d'Alene, WA-ID
	17660	Coeur d'Alene, ID
	44060	Spokane-Spokane Valley, WA
546		Visalia-Porterville-Hanford, CA
	25260	Hanford-Corcoran, CA
	47300	Visalia-Porterville, CA
548		Washington-Baltimore-Arlington, DC-MD-VA-WV-PA
	12580	Baltimore-Columbia-Towson, MD
	15680	California-Lexington Park, MD
	16540	Chambersburg-Waynesboro, PA
	25180	Hagerstown-Martinsburg, MD-WV
	47900	Washington-Arlington-Alexandria, DC-VA-MD-WV
	49020	Winchester, VA-WV

List 3: Individual Principal Cities

Please Note: You must use the CBSA code in combination with the city code to uniquely identify principal cities.   If a county name is provided, you must incorporate the county code into any algorithm used to tabulate a specific city's characteristics.   The same applies to state codes for multi-state CBSA's.

CBSA Code	Title City	GTINDVPC
38060	Phoenix-Mesa-Scottsdale, AZ	
	Phoenix	1
	Mesa	2
	Scottsdale	3
	Tempe	4
	Glendale	5
30780	Little Rock-North Little Rock-Conway. AR	
	Little Rock	1
31080	Los Angeles-Long Beach-Anaheim, CA	
	Los Angeles County	
	Los Angeles	1
	Long Beach	2
	Glendale	3
	Pomona	4
	Torrance	5
	Pasadena	6
	Burbank	7
	Orange County	
	Santa Ana	1
	Anaheim	2
	Irvine	3
	Orange	4
	Fullerton	5
	Costa Mesa	6

CBSA Code	Title City	GTINDVPC
37100	Oxnard-Thousand Oaks-Ventura, CA	
	Oxnard	1
	Thousand Oaks	2
40140	Riverside-San Bernardino-Ontario, CA	
	Riverside	1
	San Bernardino	2
	Ontario	3
	Temecula	4
	Victorville	5
40900	Sacramento–Roseville-Arden-Arcade, CA	
	Sacramento	1
	Roseville	2
41740	San Diego-Carlsbad, CA	
	San Diego	1
	Carlsbad	2
41860	San Francisco-Oakland-Hayward, CA	
	San Francisco	1
	Alameda County	
	Oakland	1
	Fremont	2
	Hayward	3
	Berkeley	4
41940	San Jose-Sunnyvale-Santa Clara, CA	
	San Jose	1
	Sunnyvale	2
	Santa Clara	3
46700	Vallejo-Fairfield, CA	
	Vallejo	1
	Fairfield	2

CBSA Code	Title / City	GTINDVPC
19740	Denver-Aurora-Lakewood, CO	
	Denver	1
	Lakewood	2
14860	Bridgeport-Stamford-Norwalk, CT	
	Bridgeport	1
	Stamford	2
25540	Hartford-West Hartford-East Hartford, CT	
	Hartford	1
33100	Miami-Fort Lauderdale-West Palm Beach, FL	
	Broward County	
	Fort Lauderdale	1
	Miami-Dade County	
	Miami	1
	1	
36740	Orlando-Kissimmee-Sanford, FL	
	Orlando	1
37340	Palm Bay-Melbourne-Titusville, FL	
	Palm Bay	1
45300	Tampa-St. Petersburg-Clearwater, FL	
	St. Petersburg	1
	Tampa	2
12060	Atlanta-Sandy Springs-Roswell, GA	
	Atlanta	1
16980	Chicago-Naperville-Elgin, IL-IN-WI	
	Chicago	1
	Naperville	2
	Joliet	3
	Elgin	4

CBSA Code	Title City	GTINDVPC
26900	Indianapolis-Carmel-Anderson. IN	
	Indianapolis	1
28140	Kansas City, MO-KS	
	Kansas portion	
	Kansas City	1
	Overland Park	2
	Missouri portion	
	Kansas City	1
35380	New Orleans-Metairie, LA	
	New Orleans	1
	Metairie	2
12580	Baltimore-Columbia-Towson. MD	
	Baltimore	1
14460	Boston-Cambridge-Newton, MA-NH	
	Massachusetts portion	
	Boston	1
	Cambridge	2
19820	Detroit-Warren-Dearborn, MI	
	Wayne County	
	Detroit	1
	Macomb County	
	Warren	1
33460	Minneapolis-St. Paul-Bloomington, MN-WI	
	Minneapolis	1
	St. Paul	2
29820	Las Vegas-Henderson--Paradise, NV	
	Las Vegas	1
	Paradise	2
	Henderson	3

CBSA Code	Title City	GTINDVPC
35620	New York-Newark- Jersey City, NY-NJ-PA	
	New Jersey portion	
	Newark	1
	Jersey City	2
	New York portion	
	New York	1
15380	Buffalo-Cheektowaga-Niagara Falls, NY	
	Buffalo	1
16740	Charlotte -Concord-Gastonia, NC-SC	
	Charlotte	1
38900	Portland-Vancouver-Hillsboro, OR-WA	
	Portland	1
34980	Nashville-Davidson—Murfreesboro—Franklin, TN	
	Nashville-Davidson	1
19100	Dallas-Fort Worth-Arlington, TX	
	Dallas	1
	Fort Worth	2
	Carrollton	3
	Plano	4
	Irving	5
	Arlington	6
26420	Houston-The Woodlands-Sugar Land, TX	
	Houston	1
32580	McAllen-Edinburg-Mission, TX	
	McAllen	1
47260	Virginia Beach-Norfolk-Newport News, VA-NC	
	Virginia portion	
	Virginia Beach	1
	Norfolk	2
	Newport News	3

CBSA Code	Title City	GTINDVPC
47900	Washington-Arlington-Alexandria, DC-VA-MD-WV	
	Virginia portion only	
	Arlington	2
42660	Seattle-Tacoma-Bellevue, WA	
	Seattle	1
	Tacoma	2
	Bellevue	3
	Everett	4
33340	Milwaukee-Waukesha-West Allis, WI	
	Milwaukee	1

List 4:   FIPS County Codes

Please note that these county codes must be used in conjunction with state codes to create unique county identifiers as county codes start with 001 in each state.   Counties are only included on this list if the entire county is identified.

FIPS County Code	County Name	State

Alabama

003	Baldwin	
081	Lee	
097	Mobile	

Arizona

013	Maricopa	
019	Pima	
021	Pinal	
025	Yavapai	
027	Yuma	

California

001	Alameda	
007	Butte	
019	Fresno	
029	Kern	
031	Kings	
037	Los Angeles	
053	Monterey	
059	Orange	
067	Sacramento	
073	San Diego	
075	San Francisco	
079	San Luis Obispo	
081	San Mateo	

FIPS County Code	County Name	State
083	Santa Barbara	
087	Santa Cruz	
089	Shasta	
095	Solano	
097	Sonoma	
099	Stanislaus	
107	Tulare	
111	Ventura	

Colorado

013	Boulder	
031	Denver	
059	Jefferson	
069	Larimer	
123	Weld	

Connecticut

001	Fairfield	
005	Litchfield*	
009	New Haven	
011	New London	
015	Windham	

Delaware

001	Kent	
003	New Castle	
005	Sussex	

District of Columbia

001	District of Columbia	

FIPS County Code	County Name	State

Florida

005	Bay	
009	Brevard	
011	Broward	
019	Clay	
021	Collier	
033	Escambia	
053	Hernando	
057	Hillsborough	
069	Lake	
071	Lee	
083	Marion	
085	Martin	
086	Miami-Dade	
095	Orange	
099	Palm Beach	
101	Pasco	
103	Pinellas	
105	Polk	
109	St. Johns	
111	St. Lucie	
113	Santa Rosa	

Georgia

015	Bartow	
045	Carroll	
057	Cherokee	
063	Clayton	
077	Coweta	
097	Douglas	
113	Fayette	
117	Forsythe	
135	Gwinnett	
139	Hall	
151	Henry	
223	Paulding	

FIPS County Code	County Name	State
		Hawaii
003	Honolulu	
		Illinois
097	Lake	
111	McHenry	
119	Madison	
163	St. Clair	
179	Tazewell	
		Indiana
019	Clark	
039	Elkhart	
063	Hendricks	
081	Johnson	
089	Lake	
105	Monroe	
141	St. Joseph	
157	Tippecanoe	
		Iowa
103	Johnson	
113	Linn	
163	Scott	
		Kansas
091	Johnson	
173	Sedgwick	
		Kentucky
015	Boone	
067	Fayette	
111	Jefferson	
117	Kenton	

FIPS
County   County
Code   Name   State

Louisiana

005	Ascension
033	East Baton Rouge
051	Jefferson
063	Livingston
071	Orleans
073	Ouachita
103	St. Tammany

Maine

001	Androscoggin
005	Cumberland
011	Kennebec*
019	Penobscot

Maryland

003	Anne Arundel
013	Carroll
015	Cecil
017	Charles
025	Harford
031	Montgomery
033	Prince Georges
037	St. Mary's
510	Baltimore City

FIPS
County
Code

County
Name

State

Massachusetts

FIPS County Code	County Name
001	Barnstable
005	Bristol
013	Hampden
015	Hampshire
017	Middlesex
023	Plymouth
025	Suffolk
027	Worcester

Michigan

FIPS County Code	County Name
005	Allegan*
021	Berrien
025	Calhoun
049	Genesee
075	Jackson
081	Kent
093	Livingston
099	Macomb
115	Monroe
121	Muskegon
125	Oakland
145	Saginaw
161	Washtenaw
163	Wayne

Minnesota

FIPS County Code	County Name
003	Anoka
123	Ramsey
139	Scott
163	Washington
171	Wright

FIPS County Code	County Name	State
		Missouri
071	Franklin	
099	Jefferson	
189	St. Louis	
		Montana
111	Yellowstone	
		Nebraska
055	Douglas	
		Nevada
003	Clark	
		New Hampshire
011	Hillsborough	
013	Merrimack*	
015	Rockingham	
017	Strafford	
		New Jersey
003	Bergen	
005	Burlington	
007	Camden	
011	Cumberland	
013	Essex	
017	Hudson	
019	Hunterdon	
021	Mercer	
023	Middlesex	
027	Morris	
031	Passaic	

FIPS County Code	County Name	State
035	Somerset	
037	Sussex	
039	Union	

New Mexico

001	Bernalillo	
013	Dona Ana	
045	San Juan	
049	Santa Fe	

New York

005	Bronx	
045	Jefferson	
047	Kings	
055	Monroe	
059	Nassau	
061	New York	
067	Onondaga	
069	Ontario	
071	Orange	
081	Queens	
085	Richmond	
087	Rockland	
091	Saratoga	
103	Suffolk	
119	Westchester	

North Carolina

001	Alamance	
021	Buncombe	
057	Davidson	
067	Forsyth	
119	Mecklenburg	
133	Onslow	
147	Pitt	

FIPS County Code	County Name	State
155	Robeson*	
159	Rowan	
179	Union	
191	Wayne	

Ohio

025	Clermont	
057	Greene	
085	Lake	
089	Licking	
095	Lucas	
103	Medina	
109	Miami	
113	Montgomery	
133	Portage	
153	Summit	

Oregon

017	Deschutes	
029	Jackson	
039	Lane	

Pennsylvania

003	Allegheny	
007	Beaver	
011	Berks	
017	Bucks	
019	Butler	
021	Cambria	
029	Chester	
043	Dauphin	
045	Delaware	
049	Erie	
055	Franklin	
071	Lancaster	

FIPS County Code	County Name	State
081	Lycoming	
085	Mercer	
089	Monroe	
091	Montgomery	
101	Philadelphia	
107	Schuylkill*	
125	Washington	
129	Westmoreland	
133	York	

South Carolina

041	Florence	
051	Horry	
083	Spartanburg	
091	York	

Tennessee

009	Blount	
093	Knox	
125	Montgomery	
165	Sumner	
189	Wilson	

Texas

041	Brazos	
061	Cameron	
135	Ector	
139	Ellis	
181	Grayson	
183	Gregg	
215	Hidalgo	
251	Johnson	
303	Lubbock	
309	McLennan	
423	Smith	

FIPS County Code	County Name	State
441	Taylor	
479	Webb	
485	Wichita	

Utah

053	Washington	

Virginia

013	Arlington	
041	Chesterfield	
087	Henrico	
107	Loudoun	
153	Prince William	
177	Spotsylvania	
179	Stafford	
550	Chesapeake City	
700	Newport News City	
710	Norfolk City	
760	Richmond City	
810	Virginia Beach City	

Washington

057	Skagit	

West Virginia

039	Kanawha	

Wisconsin

059	Kenosha	
073	Marathon	
101	Racine	
105	Rock	
139	Winnebago	

* Counties marked with an asterisk (*) are also single county Micropolitan Statistical Areas.

They are not otherwise identified on the files.   A list of such areas on the files is as follows:

CBSA Code	Title	County Name	County Code
12300	Augusta-Waterville, ME	Kennebec	005
18180	Concord, NH	Merrimack	011
26090	Holland, MI	Allegan	005
31300	Lumberton, NC	Robeson	155
39060	Pottsville, PA	Schuylkill	107
45860	Torrington, CT	Litchfield	005

ATTACHMENT 12

Topcoding of Usual Hourly Earnings

This variable will be topcoded based on an individual's usual hours worked variable, if the individual's edited usual weekly earnings variable is $999. The topcode is computed such that the product of usual hours times usual hourly wage does not exceed an annualized wage of $150,000 ($2,885.00 per week). Below is a list of the appropriate topcode.

Hours	Topcode	Hours	Topcode	Hours	Topcode
1	None	34	$84.85	67	$43.06
2	None	35	$82.43	68	$42.43
3	None	36	$80.14	69	$41.81
4	None	37	$77.97	70	$41.21
5	None	38	$75.92	71	$40.63
6	None	39	$73.97	72	$40.07
7	None	40	$72.13	73	$39.52
8	None	41	$70.37	74	$38.99
9	None	42	$68.69	75	$38.47
10	None	43	$67.09	76	$37.96
11	None	44	$65.57	77	$37.47
12	None	45	$64.11	78	$36.99
13	None	46	$62.72	79	$36.52
14	None	47	$61.38	80	$36.06
15	None	48	$60.10	81	$35.62
16	None	49	$58.88	82	$35.18
17	None	50	$57.70	83	$34.76
18	None	51	$56.57	84	$34.35
19	None	52	$55.48	85	$33.94
20	None	53	$54.43	86	$33.55
21	None	54	$53.43	87	$33.16
22	None	55	$52.45	88	$32.78
23	None	56	$51.52	89	$32.42
24	None	57	$50.61	90	$32.06
25	None	58	$49.74	91	$31.70
26	None	59	$48.90	92	$31.36
27	None	60	$48.08	93	$31.02
28	None	61	$47.30	94	$30.69
29	$99.48	62	$46.53	95	$30.37
30	$96.17	63	$45.79	96	$30.05
31	$93.06	64	$45.08	97	$29.74
32	$90.16	65	$44.38	98	$29.44
33	$87.42	66	$43.71	99	$29.14

ATTACHMENT 13

Current Population Survey

**Selected Unweighted Tallies from the May 2019
Tobacco Use Supplement**

For more information on the May Tobacco Use Supplement to the Current Population Survey (TUS-CPS) see TUS-CPS series web site: https://cancercontrol.cancer.gov/brp/tcrb/tus-cps/.

Total Records in sample: 139,571[1]
- records for CPS non-interviewed persons – 21,598
- individuals within CPS interviewed households (HHs) 117,973

Not eligible for the supplement: 48,277[2]
- children and adults < 18yrs old, on active duty in armed forces and CPS incomplete – 36,679
- records for CPS non-interviewed persons 21,598

Eligible for the supplement:91,294[3]
Supplement non-interviews: 32,440[4]
- o CPS interview incompletes- 375[5]
- o not randomly selected for TUS interview – 13,168
- o TUS non-response – 18,897

Final eligibility for supplement interview after excluding CPS incompletes for unknown age and those not randomly selected for TUS interview – 77,751

Supplement interviews 58,854[6]
- o self-response – 43,665
- o proxy-response – 15,189

Supplement non-response: 18,897

The tallies that follow represent the 91,294 persons in sample who were eligible for the random selection for supplement interview (includes 375 with unknown age at time of interview).

[1] INTRVIEW= -1 or 1 or 2
[2] INTRVIEW= -1
[3] INTRVIEW= (1 or 2)
[4] INTRVIEW=2
[5] Age was unknown and later edited as 18+ AFTER completion of the data collection, thus non-interviews and no chance of random selection.
[6] INTRVIEW=1, note this includes nine people who were interviewed though not randomly selected for interview.

Item	Value	Tallies
PEA1	-9	2
	-3	107
	-2	198
	-1	32440
	1	17830
	2	40717
PEA3	-9	81
	-3	101
	-2	43
	-1	62157
	1	5210
	2	1518
	3	22184
PEB2	-9	7
	-3	41
	-2	3
	-1	87287
	1	1150
	2	2686
	3	120
PEB7C	-9	25
	-3	61
	-2	18
	-1	87287
	1	2569
	2	952
	3	263
	4	113
	5	6
PEC2	-9	4
	-3	7
	-2	5
	-1	90194
	1	355
	2	675
	3	54

Item	Value	Tallies
PEC7A	-9	9
	-3	13
	-2	1
	-1	90194
	1	543
	2	534
PEDA	-9	5
	-3	6
	-2	4
	-1	90806
	1	228
	2	245
PED1R	-9	35
	-3	76
	-2	7
	-1	86675
	1	1747
	2	2754
PED8R	-9	37
	-3	79
	-2	10
	-1	88664
	1	895
	2	1609
PEE1B1	-9	12
	-3	4
	-2	4
	-1	89077
	1	102
	2	2095

Item	Value	Tallies
PEF1A	-9	58
	-3	104
	-2	12
	-1	86187
	1	3409
	2	1524
PEG1	-9	61
	-3	98
	-2	108
	-1	86187
	1	2084
	2	2756
PEH2	-9	9
	-3	23
	-2	20
	-1	82109
	1	7350
	2	1783
PEH6	-9	3
	-3	3
	-2	1
	-1	90582
	1	435
	2	130
	3	140
PEH6C2	-9	4
	-3	4
	-2	0
	-1	90582
	1	211
	2	455
	3	38

Item	Value	Tallies
PEJ1A1	-9	241
	-3	422
	-2	255
	-1	32440
	1	8152
	2	49784
PEJ2A1	-9	8
	-3	22
	-2	7
	-1	83142
	1	166
	2	868
	3	7081
PEJ1A2	-9	256
	-3	427
	-2	221
	-1	32440
	1	2684
	2	55266
PEJ2A2	-9	1
	-3	6
	-2	0
	-1	88610
	1	39
	2	130
	3	2508
PEJ1A3	-9	267
	-3	429
	-2	229
	-1	32440
	1	2184
	2	55745
PEJ2A3	-9	1
	-3	1
	-2	1
	-1	89110
	1	6
	2	141
	3	2034

Item	Value	Tallies
PEJ1A3_5	-9	284
	-3	451
	-2	197
	-1	32440
	1	3977
	2	53945
PEJ2A3_5	-9	6
	-3	7
	-2	4
	-1	87317
	1	596
	2	585
	3	2779
PEJ1A4	-9	298
	-3	457
	-2	190
	-1	32440
	1	3684
	2	54225
PEJ2A4	-9	2
	-3	3
	-2	5
	-1	87610
	1	624
	2	329
	3	2721
PEJ1A5	-9	308
	-3	434
	-2	203
	-1	32440
	1	210
	2	57699
PEJ2A5	-9	0
	-3	3
	-2	1
	-1	91084
	1	30
	2	18
	3	158

Item	Value	Tallies
PEJ4	-9	5
	-3	6
	-2	6
	-1	90297
	1	237
	2	743
PEK2A	-9	11
	-3	18
	-2	80
	-1	73080
	1	16998
	2	1107
PEK4	-9	389
	-3	462
	-2	82
	-1	47629
	1	38429
	2	2100
	3	2203
INTRVIEW	1	58854
	2	32440

ATTACHMENT 14

COUNTRIES AND AREAS OF THE WORLD

Current Population Survey

Starting May 2012

Code	Name	Code	Name
057	United States	158	Armenia
060	American Samoa	159	Azerbaijan
066	Guam	160	Belarus
069	Northern Marianas	161	Georgia
073	Puerto Rico	162	Moldova
078	U. S. Virgin Islands	163	Russia
100	Albania	164	Ukraine
102	Austria	165	USSR
103	Belgium	166	Europe, not specified
104	Bulgaria	168	Montenegro
105	Czechoslovakia	200	Afghanistan
106	Denmark	202	Bangladesh
108	Finland	203	Bhutan
109	France	205	Myanmar (Burma)
110	Germany	206	Cambodia
116	Greece	207	China
117	Hungary	209	Hong Kong
118	Iceland	210	India
119	Ireland	211	Indonesia
120	Italy	212	Iran
126	Netherlands	213	Iraq
127	Norway	214	Israel
128	Poland	215	Japan
129	Portugal	216	Jordan
130	Azores	217	Korea
132	Romania	218	Kazakhstan
134	Spain	220	South Korea
136	Sweden	222	Kuwait
137	Switzerland	223	Laos
138	United Kingdom	224	Lebanon
139	England	226	Malaysia
140	Scotland	228	Mongolia
142	Northern Ireland	229	Nepal
147	Yugoslavia	231	Pakistan
148	Czech Republic	233	Philippines
149	Slovakia	235	Saudi Arabia
150	Bosnia & Herzegovina	236	Singapore
151	Croatia	238	Sri Lanka
152	Macedonia	239	Syria
154	Serbia	240	Taiwan
155	Estonia	242	Thailand
156	Latvia	243	Turkey
157	Lithuania	245	United Arab Emirates

Code	Name	Code	Name
246	Uzbekistan	373	Venezuela
247	Vietnam	374	South America, not specified
248	Yemen	399	Americas, not specified
249	Asia, not specified	400	Algeria
300	Bermuda	407	Cameroon
301	Canada	408	Cape Verde
303	Mexico	412	Congo
310	Belize	414	Egypt
311	Costa Rica	416	Ethiopia
312	El Salvador	417	Eritrea
313	Guatemala	421	Ghana
314	Honduras	423	Guinea
315	Nicaragua	425	Ivory Coast
316	Panama	427	Kenya
321	Antigua and Barbuda	429	Liberia
323	Bahamas	430	Libya
324	Barbados	436	Morocco
327	Cuba	440	Nigeria
328	Dominica	444	Senegal
329	Dominican Republic	447	Sierra Leone
330	Grenada	448	Somalia
332	Haiti	449	South Africa
333	Jamaica	451	Sudan
338	St. Kitts--Nevis	453	Tanzania
339	St. Lucia	454	Togo
340	St. Vincent and the Grenadines	457	Uganda
341	Trinidad and Tobago	459	Zaire
343	West Indies, not specified	460	Zambia
360	Argentina	461	Zimbabwe
361	Bolivia	462	Africa, not specified
362	Brazil	501	Australia
363	Chile	508	Fiji
364	Columbia	511	Marshall Islands
365	Ecuador	512	Micronesia
368	Guyana	515	New Zealand
369	Paraguay	523	Tonga
370	Peru	527	Samoa
372	Uruguay	555	Elsewhere

ATTACHMENT 15

ALLOCATION FLAGS

Current Population Survey

For every edited item, there is a corresponding allocation flag with the prefix "PX". The last six characters of the names are the same. For example, PXMLR is the allocation flag for PEMLR. All allocation flags have the following list of possible values.

00	VALUE - NO CHANGE
01	BLANK - NO CHANGE
02	DON'T KNOW - NO CHANGE
03	REFUSED - NO CHANGE
10	VALUE TO VALUE
11	BLANK TO VALUE
12	DON'T KNOW TO VALUE
13	REFUSED TO VALUE
20	VALUE TO LONGITUDINAL VALUE
21	BLANK TO LONGITUDINAL VALUE
22	DON'T KNOW TO LONGITUDINAL VALUE
23	REFUSED TO LONGITUDINAL VALUE
30	VALUE TO ALLOCATED VALUE LONG.
31	BLANK TO ALLOCATED VALUE LONG.
32	DON'T KNOW TO ALLOCATED VALUE LONG.
33	REFUSED TO ALLOCATED VALUE LONG.
40	VALUE TO ALLOCATED VALUE
41	BLANK TO ALLOCATED VALUE
42	DON'T KNOW TO ALLOCATED VALUE
43	REFUSED TO ALLOCATED VALUE
50	VALUE TO BLANK
52	DON'T KNOW TO BLANK
53	REFUSED TO BLANK

Attachment 16
Source of the Data and Accuracy of the Estimates for the
July 2018, January 2019, and May 2019 Current Population Survey
Microdata Files on Tobacco Use

SOURCE OF THE DATA
The data in these microdata files are from the July 2018, January 2019, and May 2019 Current Population Survey (CPS). The U.S. Census Bureau conducts the CPS every month, although this file has only July 2018, January 2019, and May 2019 data. The survey uses two sets of questions, the basic CPS and a set of supplemental questions. The CPS, sponsored jointly by the Census Bureau and the U.S. Bureau of Labor Statistics, is the country's primary source of labor force statistics for the civilian noninstitutionalized population. The National Cancer Institute (NCI) of the National Institutes of Health (NIH) and the U.S. Food and Drug Administration (FDA), both of the U.S. Department of Health and Human Services (HHS), co-sponsored the July 2018, January 2019, and May 2019 Tobacco Use Supplements (TUS). NCI has sponsored the supplemental questions for the TUS since 1992. The Centers for Disease Control and Prevention (CDC), also of the HHS, co-sponsored, with NCI, the survey waves 2001-2007.

Basic CPS. The monthly CPS collects primarily labor force data about the civilian noninstitutionalized population living in the United States. The institutionalized population, which is excluded from the universe, consists primarily of the population in correctional institutions and nursing homes (98 percent of the 4.0 million institutionalized people in Census 2010). Starting August 2017, college and university dormitories were also excluded from the universe because most of the residents had usual residences elsewhere. Interviewers ask questions concerning labor force participation of each member 15 years old and over in sample households. Typically, the week containing the nineteenth of the month is the interview week. The week containing the twelfth is the reference week (i.e., the week about which the labor force questions are asked).

The CPS uses a multistage probability sample based on the results of the decennial census, with coverage in all 50 states and the District of Columbia. The sample is continually updated to account for new residential construction. When files from the most recent decennial census become available, the Census Bureau gradually introduces a new sample design for the CPS.

Every ten years, the CPS first-stage sample is redesigned[1] reflecting changes based on the most recent decennial census. In the first stage of the sampling process, primary sampling units (PSUs)[2] were selected for sample. In the 2010 sample design, the United States was divided into 1,987 PSUs. These PSUs were then grouped into 852 strata. Within each

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[1] For detailed information on the 2010 sample redesign, please see Bureau of Labor Statistics (2014).
[2] The PSUs correspond to substate areas (i.e., counties or groups of counties) that are geographically contiguous.

stratum, a single PSU was chosen for the sample, with its probability of selection proportional to its population as of the most recent decennial census. In the case of strata consisting of only one PSU, the PSU was chosen with certainty.

Approximately 71,000 housing units were selected from the sampling frame in July 2018 and January 2019. In May 2019, approximately 70,000 housing units were selected. Based on eligibility criteria, a percentage of these housing units were sent directly to computer-assisted telephone interviewing (CATI). The remaining units were assigned to interviewers for computer-assisted personal interviewing (CAPI).[3] Of all housing units in sample, about 60,000 were determined to be eligible for interview in each of the three months. Noninterviews occur when the occupants are not found at home after repeated calls or are unavailable for some other reason.

Table 1 shows the number of households selected, the CATI assignment percentage, the number of households determined to be eligible for the supplement, and the number of households from which interviews were obtained from each of the three months of the TUS.

Table 1. Current Population Survey Sampling Frame

Month and Year of Sample	Sample Selected	CATI	Eligible	Obtained
July 2018	71,000	9%	60,000	50,000
January 2019	71,000	10%	60,000	50,000
May 2019	70,000	10%	60,000	49,000

Source: U.S. Census Bureau, Current Population Survey, internal data files.
Note: Numbers rounded to the nearest thousand. Percentages rounded to the nearest whole percent.

July 2018, January 2019, and May 2019 Supplements. In addition to the basic CPS questions, interviewers asked supplementary questions on tobacco use of the civilian noninstitutionalized population 18 years and older. The TUS is a large, nationally representative survey, which enables the production of national, state, and some sub-state estimates, especially when 3 months of a TUS series are combined. The TUS collected information from about 50,000, 50,000, and 49,000 respondents in July 2018, January 2019, and May 2019, respectively. Table 2 shows the approximate percentages of responses for some measures of use, by month.

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3   For further information on CATI and CAPI and the eligibility criteria, please see U.S. Census Bureau (2019).

Table 2. Tobacco Use Supplement Respondent Information

Supplement	Number Interviewed	Percentage of Proxy Response	Percentage of Self-Response	Percentage Telephone Interview[A]	Percentage Personal Interview
July 2018	50,000	23%	77%	63% (63% self-only)	37% (37% self-only)
January 2019	50,000	24%	76%	67% (66% self-only)	33% (34% self-only)
May 2019	49,000	26%	74%	64% (63% self-only)	36% (37% self-only)

Source: U.S. Census Bureau, Current Population Survey, internal data files.
[A]   Respondents with 'CAPI' for HRMODE and 'Not in Universe' for PES81A are not included, for consistency, as we cannot determine if interview was conducted by telephone or in-person.
Note: Numbers rounded to the nearest thousand. Percentages rounded to the nearest whole percent.

Estimation Procedure. This survey's estimation procedure adjusts weighted sample results to agree with independently derived population controls of the civilian noninstitutionalized population of the United States, each state, and the District of Columbia. These population controls[4] are prepared monthly as part of the Census Bureau's Population Estimates Program.

The population controls for the nation are distributed by demographic characteristics in two ways:

- Age, sex, and race (White alone, Black alone, and all other groups combined).
- Age, sex, and Hispanic origin.

The population controls for the states are distributed by:

- Race (Black alone and all other race groups combined).
- Age (0-15, 16-44, and 45 and over).
- Sex.

The independent estimates by age, sex, race, and Hispanic origin, and for states by selected age groups and broad race categories, are developed using the basic demographic accounting formula whereby the population from the 2010 Census data is updated using data on the components of population change (births, deaths, and net international migration) with net internal migration as an additional component in the state population controls.

The net international migration component of the population estimates includes:

- Net international migration of the foreign born;

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[4]   For additional information on population controls, including details on the demographic characteristics used and net international components, please see Chapter 1-3 and Appendix: History of the Current Population Survey of U.S. Census Bureau (2019).

- Net migration between the United States and Puerto Rico;
- Net migration of natives to and from the United States; and
- Net movement of the Armed Forces population to and from the United States.

Because the latest available information on these components lags behind the survey date, it is necessary to make short-term projections of these components to develop the estimate for the survey date.

Tobacco Use Supplement Estimation Procedure. In addition to the CPS estimation procedure, the TUS uses a supplement noninterview adjustment and a supplement self-response adjustment. The supplement noninterview adjustment accounts for occupied sample households that responded to and completed the CPS but not the supplement questionnaire. The self-response adjustment accounts for the elimination of interviews that were completed by proxy.

NOTE: The CPS household weight (HWHHWGT) adjusts for household nonresponse. Additional calculations are needed to create a supplement household weight. There are two sets of supplement weights on this microdata file. The nonresponse weight (PWNRWGT) includes only the noninterview adjustment. The self-response weight (PWSRWGT) includes both the noninterview adjustment and the self-response adjustment.

ACCURACY OF THE ESTIMATES
A sample survey estimate has two types of error: sampling and nonsampling. The accuracy of an estimate depends on both types of error. The nature of the sampling error is known given the survey design; the full extent of the nonsampling error is unknown.

Sampling Error. Since the CPS estimates come from a sample, they may differ from figures from an enumeration of the entire population using the same questionnaires, instructions, and enumerators. For a given estimator, the difference between an estimate based on a sample and the estimate that would result if the sample were to include the entire population is known as sampling error. Standard errors, as calculated by methods described in "Standard Errors and Their Use," are primarily measures of the magnitude of sampling error. However, the estimation of standard errors may include some nonsampling error.

Nonsampling Error. For a given estimator, the difference between the estimate that would result if the sample were to include the entire population and the true population value being estimated is known as nonsampling error. There are several sources of nonsampling error that may occur during the development or execution of the survey. It can occur because of circumstances created by the interviewer, the respondent, the survey instrument, or the way the data are collected and processed. Some nonsampling errors, and examples of each, include:

- Measurement error: The interviewer records the wrong answer, the respondent provides incorrect information, the respondent estimates the requested information, or an unclear survey question is misunderstood by the respondent.

- Coverage error: Some individuals who should have been included in the survey frame were missed.
- Nonresponse error: Responses are not collected from all those in the sample or the respondent is unwilling to provide information.
- Imputation error: Values are estimated imprecisely for missing data.
- Processing error: Forms may be lost, data may be incorrectly keyed, coded, or recoded, etc.

To minimize these errors, the Census Bureau applies quality control procedures during all stages of the production process including the design of the survey, the wording of questions, the review of the work of interviewers and coders, and the statistical review of reports.

Two types of nonsampling error that can be examined to a limited extent are nonresponse and undercoverage.

Nonresponse. The effect of nonresponse cannot be measured directly, but one indication of its potential effect is the nonresponse rate. Table 3 shows the unweighted nonresponse rates for the basic CPS, as well as the overall (self and proxy) nonresponse rate and the self-only nonresponse rate, for the July 2018, January 2019, and May 2019 supplements.

Table 3. Current Population Survey Nonresponse Rates

Month and Year	Basic CPS (Household Nonresponse Rate)	Supplement (Self and Proxy Nonresponse Rate)	Supplement (Self-Only Nonresponse Rate)
July 2018	15.5%	25.5%	42.3%
January 2019	16.9%	22.4%	41.1%
May 2019	18.0%	24.3%	43.8%

Source: U.S. Census Bureau, Current Population Survey, internal data files.
Note: Percentages rounded to the nearest tenth of a percent.

Since the basic CPS nonresponse rate is a household-level rate and TUS nonresponse rate is a person-level rate, we cannot combine these rates to derive an overall nonresponse rate. Nonresponding households may have fewer persons than interviewed ones, so combining these rates may lead to an overestimate of the true overall nonresponse rate for persons for the TUS.

Responses are made up of complete interviews and sufficient partial interviews. A sufficient partial interview is an incomplete interview in which the household or person answered enough of the questionnaire for the supplement sponsor to consider the interview complete. The remaining supplement questions may have been edited or imputed to fill in missing values. Insufficient partial interviews are considered to be nonrespondents. Refer to the supplement overview attachment in the technical documentation for the specific questions deemed critical by the sponsor as necessary to be answered in order to be considered a sufficient partial interview.

As a result of sufficient partial interviews being considered responses, individual items/questions have their own response and refusal rates. As part of the nonsampling error analysis, the item response rates, item refusal rates, and edits are reviewed. For the TUS, the unweighted item refusal rates range from 0.0 percent to 27.4 percent for July 2018, 0.0 percent to 30.4 percent for January 2019, and 0.0 percent to 33.2 percent for May 2019. The unweighted item nonresponse rates range from 0.0 percent to 30.1 percent for July 2018, 0.0 percent to 33.0 percent for January 2019, and 0.0 percent to 35.5 percent for May 2019. These rates on the high end of the range, however, do not reflect the true quality of the supplement data. The rates include a small number of "intentional flag" variables, which are derived from questions that direct the questionnaire flow for a small portion of the supplement universe (e.g., those who ONLY used a non-cigarette tobacco product one or two times) and a few other types of follow-up or unit variables. Using the July 2018 data as an example, a conservative analysis among ALL items (including these special purpose items) yields the following distribution for the unweighted item nonresponse rates: 0.05 percent at the 10th percentile, 0.62 percent at the 25th percentile, 1.6 percent at the 50th percentile (median), 3.5 percent at the 75th percentile, and 8.5 percent at the 90th percentile.

Undercoverage. The concept of coverage with a survey sampling process is defined as the extent to which the total population that could be selected for sample "covers" the survey's target population. Missed housing units and missed people within sample households create undercoverage in the CPS. Overall CPS undercoverage for July 2018, January 2019, and May 2019 is estimated to be about 11 percent. CPS coverage varies with age, sex, and race. Generally, coverage is higher for females than for males and higher for non-Blacks than for Blacks. This differential coverage is a general problem for most household-based surveys.

The CPS weighting procedure mitigates bias from undercoverage, but biases may still be present when people who are missed by the survey differ from those interviewed in ways other than age, race, sex, Hispanic origin, and state of residence. How this weighting procedure affects other variables in the survey is not precisely known. All of these considerations affect comparisons across different surveys or data sources.

A common measure of survey coverage is the coverage ratio, calculated as the estimated population before poststratification divided by the independent population control. Tables 4 through 6 show CPS coverage ratios by age and sex for certain race and Hispanic groups for July 2018, January 2019, and May 2019, respectively. The CPS coverage ratios exhibit some variability from month to month.

Table 4. Current Population Survey Coverage Ratios: July 2018

Age group	All people	Total Male	Total Female	White only Male	White only Female	Black only Male	Black only Female	Residual race[A] Male	Residual race[A] Female	Hispanic[B] Male	Hispanic[B] Female
0-15	0.86	0.87	0.85	0.91	0.90	0.72	0.70	0.82	0.77	0.79	0.79
16-19	0.86	0.87	0.85	0.90	0.87	0.79	0.71	0.84	0.89	0.82	0.79
20-24	0.76	0.77	0.75	0.80	0.77	0.62	0.71	0.70	0.68	0.69	0.72
25-34	0.81	0.78	0.84	0.82	0.88	0.61	0.70	0.73	0.72	0.68	0.83
35-44	0.90	0.87	0.93	0.90	0.96	0.75	0.81	0.79	0.86	0.78	0.88
45-54	0.90	0.89	0.90	0.92	0.93	0.72	0.79	0.81	0.84	0.78	0.87
55-64	0.93	0.92	0.93	0.95	0.95	0.78	0.84	0.84	0.84	0.83	0.82
65+	0.97	0.97	0.97	0.98	0.99	0.93	0.90	0.84	0.81	0.85	0.85
15+	0.89	0.88	0.90	0.91	0.93	0.74	0.79	0.79	0.80	0.77	0.83
0+	0.88	0.87	0.89	0.91	0.92	0.73	0.77	0.80	0.80	0.77	0.82

Source: U.S. Census Bureau, Current Population Survey, July 2018.
[A]   The Residual race group includes cases indicating a single race other than White or Black, and cases indicating two or more races.
[B]   Hispanics may be any race.
Note: For a more detailed discussion on the use of parameters for race and ethnicity, please see the "Generalized Variance Parameters" section.

Table 5. Current Population Survey Coverage Ratios: January 2019

Age group	All people	Total Male	Total Female	White only Male	White only Female	Black only Male	Black only Female	Residual race[A] Male	Residual race[A] Female	Hispanic[B] Male	Hispanic[B] Female
0-15	0.85	0.84	0.86	0.89	0.91	0.69	0.67	0.73	0.80	0.76	0.78
16-19	0.84	0.86	0.81	0.92	0.87	0.68	0.66	0.75	0.64	0.89	0.86
20-24	0.77	0.79	0.75	0.83	0.78	0.62	0.64	0.75	0.69	0.84	0.80
25-34	0.80	0.78	0.82	0.83	0.86	0.57	0.66	0.72	0.77	0.74	0.77
35-44	0.91	0.88	0.93	0.92	0.97	0.70	0.79	0.82	0.83	0.77	0.91
45-54	0.91	0.89	0.92	0.91	0.95	0.82	0.80	0.84	0.85	0.82	0.89
55-64	0.95	0.94	0.95	0.97	0.96	0.79	0.89	0.91	0.87	0.88	0.88
65+	0.99	1.00	0.98	1.02	0.99	0.92	0.94	0.86	0.83	0.85	0.88
15+	0.89	0.89	0.90	0.92	0.93	0.73	0.78	0.81	0.80	0.81	0.85
0+	0.89	0.88	0.89	0.92	0.93	0.72	0.76	0.79	0.80	0.80	0.83

Source: U.S. Census Bureau, Current Population Survey, January 2019.
[A]   The Residual race group includes cases indicating a single race other than White or Black, and cases indicating two or more races.
[B]   Hispanics may be any race.
Note: For a more detailed discussion on the use of parameters for race and ethnicity, please see the "Generalized Variance Parameters" section.

Table 6. Current Population Survey Coverage Ratios: May 2019

Age group	All people	Total		White only		Black only		Residual race[A]		Hispanic[B]	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-15	0.87	0.88	0.85	0.92	0.89	0.70	0.67	0.88	0.81	0.81	0.78
16-19	0.85	0.88	0.82	0.91	0.84	0.82	0.74	0.77	0.83	0.84	0.81
20-24	0.75	0.75	0.75	0.77	0.78	0.61	0.67	0.75	0.70	0.73	0.79
25-34	0.82	0.79	0.84	0.83	0.88	0.63	0.73	0.71	0.75	0.73	0.82
35-44	0.89	0.87	0.91	0.91	0.95	0.66	0.82	0.82	0.81	0.77	0.89
45-54	0.89	0.88	0.90	0.91	0.95	0.75	0.76	0.83	0.80	0.79	0.91
55-64	0.94	0.92	0.96	0.95	0.99	0.78	0.86	0.85	0.82	0.87	0.90
65+	0.98	0.98	0.98	1.00	1.00	0.92	0.93	0.86	0.84	0.87	0.92
15+	0.89	0.88	0.91	0.91	0.94	0.73	0.79	0.80	0.79	0.79	0.87
0+	0.89	0.88	0.89	0.91	0.93	0.72	0.77	0.82	0.80	0.79	0.84

Source: U.S. Census Bureau, Current Population Survey, May 2019.

[A]   The Residual race group includes cases indicating a single race other than White or Black, and cases indicating two or more races.

[B]   Hispanics may be any race.

Note: For a more detailed discussion on the use of parameters for race and ethnicity, please see the "Generalized Variance Parameters" section.

Comparability of Data. Data obtained from the CPS and other sources are not entirely comparable. This is due to differences in interviewer training and experience and in differing survey processes. These differences are examples of nonsampling variability not reflected in the standard errors. Therefore, caution should be used when comparing results from different sources.

Data users should be careful when comparing the data from this microdata file, which reflects 2010 Census-based controls, with microdata files which reflect 2000 Census-based controls. Ideally, the same population controls should be used when comparing any estimates. In reality, the use of the same population controls is not practical when comparing trend data over a period of 10 to 20 years. Thus, when it is necessary to combine or compare data based on different controls or different designs, data users should be aware that changes in weighting controls or weighting procedures can create small differences between estimates. See the discussion following for information on comparing estimates derived from different populations or different sample designs.

Microdata files from previous years reflect the latest available census-based controls. Although the most recent change in population controls had relatively little impact on summary measures such as averages, medians, and percentage distributions, it did have a significant impact on levels. For example, use of 2010 Census-based controls results in about a 0.2 percent increase from the 2000 census-based controls in the civilian noninstitutionalized population and in the number of families and households. Thus, estimates of levels for data collected in 2012 and later years will differ from those for earlier years by more than what could be attributed to actual changes in the population. These differences could be disproportionately greater for certain population subgroups than for the total population.

Users should also exercise caution because of changes caused by the phase-in of the 2010 Census files (see "Basic CPS").[5] During this time period, CPS data were collected from sample designs based on different censuses. Two features of the new CPS design have the potential of affecting published estimates: (1) the temporary disruption of the rotation pattern from August 2014 through June 2015 for a comparatively small portion of the sample and (2) the change in sample areas. Most of the known effect on estimates during and after the sample redesign will be the result of changing from 2000 to 2010 geographic definitions. Research has shown that the national-level estimates of the metropolitan and nonmetropolitan populations should not change appreciably because of the new sample design. However, users should still exercise caution when comparing metropolitan and nonmetropolitan estimates across years with a design change, especially at the state level.

Caution should also be used when comparing Hispanic estimates over time. No independent population control totals for people of Hispanic origin were used before 1985.

A Nonsampling Error Warning. Since the full extent of the nonsampling error is unknown, one should be particularly careful when interpreting results based on small differences between estimates. The Census Bureau recommends that data users incorporate information about nonsampling errors into their analyses, as nonsampling error could impact the conclusions drawn from the results. Caution should also be used when interpreting results based on a relatively small number of cases. Summary measures (such as medians and percentage distributions) probably do not reveal useful information when computed on a subpopulation smaller than 75,000.

For additional information on nonsampling error, including the possible impact on CPS data, when known, refer to U.S. Census Bureau (2019) and Brooks & Bailar (1978).

Standard Errors and Their Use. A sample estimate and its standard error enable one to construct a confidence interval. A confidence interval is a range about a given estimate that has a specified probability of containing the average result of all possible samples. For example, if all possible samples were surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then approximately 90 percent of the intervals from 1.645 standard errors below the estimate to 1.645 standard errors above the estimate would include the average result of all possible samples.

A particular confidence interval may or may not contain the average estimate derived from all possible samples, but one can say with the specified confidence that the interval includes the average estimate calculated from all possible samples.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common type of hypothesis is that the population parameters are different. An example of this

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[5]   The phase-in process using the 2010 Census files began April 2014.

would be comparing the percentage of men who were part-time workers to the percentage of women who were part-time workers.

Tests may be performed at various levels of significance. A significance level is the probability of concluding that the characteristics are different when, in fact, they are the same. For example, to conclude that two characteristics are different at the 0.10 level of significance, the absolute value of the estimated difference between characteristics must be greater than or equal to 1.645 times the standard error of the difference.

The Census Bureau uses 90-percent confidence intervals and 0.10 levels of significance to determine statistical validity. Consult standard statistical textbooks for alternative criteria.

Estimating Standard Errors. The Census Bureau uses replication methods to estimate the standard errors of CPS estimates. These methods primarily measure the magnitude of sampling error. However, they do measure some effects of nonsampling error as well. They do not measure systematic biases in the data associated with nonsampling error. Bias is the average over all possible samples of the differences between the sample estimates and the true value.

There are two ways to calculate standard errors for the CPS microdata files on Tobacco Use.

- Direct estimates created from replicate weighting methods;
- Generalized variance estimates created from generalized variance function (GVF) parameters a and b.

While replicate weighting methods provide the most accurate variance estimates, this approach requires more computing resources and more expertise on the part of the user. The GVF parameters provide a method of balancing accuracy with resource usage as well as a smoothing effect on standard error estimates. For more information on calculating direct estimates, refer to the "Replicate Weighting" section and see U.S. Census Bureau (2009). For more information on GVF estimates, refer to the "Generalized Variance Parameters" section.

Replicate Weighting. The Census Bureau is releasing public use replicate weight files for the July 2018, January 2019, and May 2019 TUS that can be matched to the public use survey data files.

Replicate estimates are created using each of the 160 weights independently to create 160 replicate estimates. For point estimates, multiply the replicate weights by the item of interest at the record level (either an indicator variable to determine the number of people with a characteristic or a variable that contains some value) and tally the weighted values to create the 160 replicate estimates. Use these replicate estimates in formula (1) below to calculate the total variance for the item of interest. For example, say that the item of interest is the number of males. Tally the weights for all the records that indicated male to

create the 160 replicate estimates of the number of males. Then use these estimates in the formula to calculate the total variance for the number of males.

Calculate variance estimates for the estimates using:

$$\text{var}(\hat{\theta}_0) = \frac{4}{160} \sum_{i=1}^{160} (\hat{\theta}_i - \hat{\theta}_0)^2 \qquad (1)$$

where $\hat{\theta}_0$ is the estimate of the statistic of interest, such as a point estimate or proportion, using the weight for the full sample, and $\hat{\theta}_i$ are the replicate estimates of the same statistic using the replicate weights.

For more information on using replicate weights and calculating direct estimates, see U.S. Census Bureau (2009).

Generalized Variance Parameters. While it is possible to estimate the standard error based on the survey data for each estimate in a report, there are a number of reasons why this is not done. A presentation of the individual standard errors would be of limited use, since one could not possibly predict all of the combinations of results that may be of interest to data users. Additionally, data users have access to CPS microdata files, and it is impossible to compute in advance the standard error for every estimate one might obtain from those data sets. Moreover, variance estimates are based on sample data and have variances of their own. Therefore, some methods of stabilizing these estimates of variance, for example, by generalizing or averaging over time, may be used to improve their reliability.

Experience has shown that certain groups of estimates have similar relationships between their variances and expected values. Modeling or generalizing may provide more stable variance estimates by taking advantage of these similarities. The GVF is a simple model that expresses the variance as a function of the expected value of the survey estimate. The parameters of the GVF are estimated using direct replicate variances. These GVF parameters provide a relatively easy method to obtain approximate standard errors for numerous characteristics.

In this source and accuracy statement:

- Tables 8 through 20 provide illustrations for calculating standard errors;
- Table 21 provides the GVF parameters for labor force estimates;
- Tables 22 and 23 provide the GVF parameters for the supplement specific estimates; and
- Tables 24 and 25 provide the factors and populations for computation by state and region.

The basic CPS questionnaire records the race and ethnicity of each respondent. With respect to race, a respondent can be White, Black, Asian, American Indian and Alaskan Native (AIAN), Native Hawaiian and Other Pacific Islander (NHOPI), or combinations of two

or more of the preceding. A respondent's ethnicity can be Hispanic or non-Hispanic, regardless of race.

The GVF parameters to use in computing standard errors are dependent upon the race/ethnicity group of interest. Table 7 summarizes the relationship between the race/ethnicity group of interest and the GVF parameters to use in standard error calculations.

Table 7. Estimation Groups of Interest and Generalized Variance Parameters

Race/ethnicity group of interest	Generalized variance parameters to use in standard error calculations
Total population	Total or White
White alone, White alone or in combination (AOIC), or White non-Hispanic population	Total or White
Black alone, Black AOIC, or Black non-Hispanic population	Black
Asian alone, Asian AOIC, or Asian non-Hispanic population	Asian, American Indian and Alaska Native (AIAN), Native Hawaiian and Other Pacific Islander (NHOPI)
AIAN alone, AIAN AOIC, or AIAN non-Hispanic population	Asian, AIAN, NHOPI
NHOPI alone, NHOPI AOIC, or NHOPI non-Hispanic population	Asian, AIAN, NHOPI
Populations from other race groups	Asian, AIAN, NHOPI
Hispanic[A] population	Hispanic[A]
Two or more races[B] – employment/unemployment and educational attainment characteristics	Black
Two or more races[B] – all other characteristics	Asian, AIAN, NHOPI

Source: U.S. Census Bureau, Current Population Survey, internal data files.
[A]   Hispanics may be any race.
[B]   Two or more races refers to the group of cases self-classified as having two or more races.

When calculating standard errors for an estimate of interest from cross-tabulations involving different characteristics, use the set of GVF parameters for the characteristic that will give the largest standard error. If the estimate of interest is strictly from basic CPS data, the GVF parameters will come from the CPS GVF table (Table 21). If the estimate of interest is from the TUS, the GVF parameters will come from Table 22 for nonresponse and Table 23 for self-response. Tables 22 and 23 also provide specific GVF parameters for use with combined 2-months and 3-months of data.

Standard Errors of Estimated Numbers. The approximate standard error, s_x, of an estimated number from this microdata file can be obtained by using the formula:

$$s_x = \sqrt{ax^2 + bx} \qquad\qquad (2)$$

Here x is the size of the estimate, and a and b are the parameters in Table 16 associated with the particular type of characteristic.

Illustration 1
Suppose there were 2,819,000 unemployed men (ages 18 and up) in the civilian labor force in May 2019. Table 8 shows how to use the appropriate parameters from Table 21 and Formula (2) to estimate the standard error and confidence interval.

Table 8. Illustration of Standard Errors of Estimated Numbers

Number of unemployed males in the civilian labor force (x)	2,819,000
a-parameter (a)	-0.000031
b-parameter (b)	2,947
Standard error	90,000
90-percent confidence interval	2,671,000 to 2,967,000

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019

The standard error is calculated as

$$s_x = \sqrt{-0.000031 \times 2{,}819{,}000^2 + 2{,}947 \times 2{,}819{,}000},$$

which, rounded to the nearest thousand, is 90,000.   The 90-percent confidence interval is calculated as 2,819,000 ± 1.645 × 90,000.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

Standard Errors of Estimated Percentages. The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the percentage and its base. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more. When the numerator and denominator of the percentage are in different categories, use the parameter from Table 21, 22, or 23 as indicated by the numerator.

The approximate standard error, $s_{y,p}$, of an estimated percentage can be obtained by using the formula:

$$s_{y,p} = \sqrt{\frac{b}{y}p(100-p)} \qquad\qquad (3)$$

Here y is the total number of people, families, households, or unrelated individuals in the base or denominator of the percentage, p is the percentage $100*x/y$ ($0 \le p \le 100$), and b is the parameter in Table 21, 22, or 23 associated with the characteristic in the numerator of the percentage.

Illustration 2
Suppose there were 82,105,000[6] people aged 45 to 64 in May 2019, of which 11.5 percent were every-day smokers. Table 9 shows how to use the appropriate parameter from Table 22 and Formula (3) to estimate the standard error and confidence interval.

Table 9. Illustration of Standard Errors of Estimated Percentages

Percentage of people aged 45-64 who were everyday smokers (p)	11.5
Base (y)	82,105,000
b-parameter (b)	5,957
Standard error	0.27
90-percent confidence interval	11.1 to 11.9

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

The standard error is calculated as

$$s_{y,p} = \sqrt{\frac{5,957}{82,105,000} \times 11.5 \times (100.0 - 11.5)} = 0.27$$

The 90-percent confidence interval for the estimated percentage of people aged 45 to 64 who are everyday smokers is calculated as 11.5 ± 1.645 × 0.27.

Illustration 3
Of all adults (ages 18 and up) in May 2019, suppose the number of former smokers was 40,745,000 and the number of ever (current and former) smokers was 66,937,000[7]. The percentage of former smokers out of ever smokers (known as the "quit ratio") would be 60.9 percent. Table 10 shows how to use the appropriate parameter from Table 22 and Formula (3) to estimate the standard error and confidence interval.

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[6] Some respondents who gave an age in the 45-64 range did not respond to question PEA3 ("do you now smoke cigarettes every day, some days, or not at all?"). As a result, using the estimate (82,769,000) from PRTAGE=45-64 as a base would result in the estimated percentage of 45-64 year olds who were every-day smokers, some-day smokers, and former smokers summing to less than 100 percent of 45-64 year olds. Accordingly, we have used the weights of the PRTAGE=45-64 respondents who also responded to PEA3 as the base in this estimate, even though the sum of the weights of the PRTAGE=45-64 respondents is our actual estimate of the number of persons in the 45-64 age range.

[7] Some persons who responded in the affirmative to question PEA1 ("have you smoked at least 100 cigarettes in your entire life?") did not respond to question PEA3 ("do you now smoke cigarettes every day, some days, or not at all?"). As a result, using the estimate (67,451,000) from PEA1 as a base would result in the estimated percentages of every-day smokers, some-day smokers, and former smokers summing to less than 100 percent of the persons who had ever smoked. Accordingly, we have used the weighted responses to PEA3 as the base in this estimate, even though the estimate from PEA1 is our actual estimate of the number of ever smokers.

An alternative to using PEA3 is to use SMOKSTAT. SMOKSTAT = 2-4 represents "Ever" smokers. The base number for "Ever smokers" using SMOKSTAT is the same as the number obtained from using PEA3.

Table 10. Second Illustration of Standard Errors of Estimated Percentages

Percentage of adult ever smokers who don't smoke anymore (p)	60.9
Base (y)	66,937,000
b-parameter (b)	5,957
Standard error	0.46
90-percent confidence interval	60.1 to 61.7

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

The standard error is calculated as

$$s_{y,p} = \sqrt{\frac{5{,}957}{66{,}937{,}000} \times 60.9 \times (100.0 - 60.9)} = 0.46$$

and the 90-percent confidence interval is calculated as 60.9 ± 1.645 × 0.46.

Standard Errors of Estimated Differences. The standard error of the difference between two sample estimates is approximately equal to

$$s_{x_1 - x_2} = \sqrt{\left(s_{x_1}\right)^2 + \left(s_{x_2}\right)^2} \qquad (4)$$

where s_{x_1} and s_{x_2} are the standard errors of the estimates, x_1 and x_2. The estimates can be numbers, percentages, ratios, etc. This will result in accurate estimates of the standard error of the same characteristic in two different areas or for the difference between separate and uncorrelated characteristics in the same area. However, if there is a high positive (negative) correlation between the two characteristics, the formula will overestimate (underestimate) the true standard error.

Illustration 4
In May 2019, suppose that for self-respondents, of the 3,844,000 non-Hispanic Blacks 18 to 24 years of age, 5.5 percent were every-day smokers, and of the 15,785,000[8] non-Hispanic Whites 18 to 24 years of age, 6.1 percent were every-day smokers. Table 11 shows how to use the appropriate parameters from Table 23, since the data is from self-respondents, and Formulas (3) and (4) to estimate the standard error and confidence interval.

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[8]   Some respondents who indicated that they were non-Hispanic Whites between 18 and 24 years of age did not respond to question PEA1 ("have you smoke at least 100 cigarettes in your entire life") or PEA3 ("do you now smoke cigarettes every day, some days, or not at all?"). As a result, using the estimate (15,848,000) from PEHSPNON=2 AND PTDTRACE=1 AND PRTAGE=18-24 as a base would result in the estimated percentages of every-day smokers, some-day smokers, former smokers and never smokers among non-Hispanic Whites between 18 and 24 years of age summing to less than 100 percent. Accordingly, we have used the weighted responses to PEHSPNON=2 AND PTDTRACE=1 AND PRTAGE=18-24 AND ((PEA1=1 and PEA3=1,2,3) or (PEA1=2)) as the base in this estimate, even though the estimate from PEHSPNON=2 AND PTDTRACE=1 AND PRTAGE=18-24 is our actual estimate of the number of non-Hispanic Whites between 18 and 24 years of age.

Table 11. Illustration of Standard Errors of Estimated Differences

	Non-Hispanic Black (x_1)	Non-Hispanic White (x_2)	Difference
Percentage of people aged 18 to 24 who were everyday smokers (p)	5.5	6.1	0.6
Base (y)	3,844,000	15,785,000	-
b-parameter (b)	8,009	6,234	-
Standard error	1.04	0.48	1.15
90-percent confidence interval	3.8 to 7.2	5.3 to 6.9	-1.3 to 2.5

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

The standard error of the difference is calculated as

$$s_{x_1 - x_2} = \sqrt{1.04^2 + 0.48^2} = 1.15$$

The 90-percent confidence interval around the difference is calculated as 0.6 ± 1.645 × 1.15. Since this interval includes zero, we can conclude with 90-percent confidence that the percentage of non-Hispanic Black every-day smokers between 18 and 24 years of age is not significantly different than the percentage of non-Hispanic White every-day smokers between 18 and 24 years of age.

Standard Errors of Estimated Ratios. Certain estimates may be calculated as the ratio of two numbers. Compute the standard error of a ratio, x/y, using

$$s_{x/y} = \frac{x}{y} \sqrt{\left(\frac{s_x}{x}\right)^2 + \left(\frac{s_y}{y}\right)^2 - 2r \frac{s_x s_y}{xy}} \tag{5}$$

The standard error of the numerator, s_x, and that of the denominator, s_y, may be calculated using formulas described earlier. In Formula (5), r represents the correlation between the numerator and the denominator of the estimate.

For one type of ratio, the denominator is a count of families or households and the numerator is a count of people in those families or households with a certain characteristic. If there is at least one person with the characteristic in every family or household, use 0.7 as an estimate of r. An example of this type is the average number of children per family with children.

For another type of ratio, the population estimated by the numerator (x) is a subset of the population estimated by the denominator (y). In that case,

$$r = \frac{x \times s_y}{y \times s_x} \tag{6}$$

For all other types of ratios, r is assumed to be zero. Examples are the average number of children per family and the family poverty rate. If r is actually positive (negative), then this procedure will provide an overestimate (underestimate) of the standard error of the ratio.

NOTE: For estimates expressed as the ratio of x per 100 y or x per 1,000 y, multiply Formula (5) by 100 or 1,000, respectively, to obtain the standard error.

Illustration 5
In May 2019, suppose the number of adults who were self-reported as every-day smokers was 20,692,000[9] and the number of adults who were self-reported as some-day smokers was 5,635,000[10]. The ratio of every-day smokers to some-day smokers would be 3.7. Table 12 shows how to use Formulas (2) and (5) and the appropriate parameters from Table 23, since the data is from self-respondents, with $r = 0$ to estimate the standard error and confidence interval.

Table 12. Illustration of Standard Errors of Estimated Ratios

	Every-day (x)	Some-day (y)	Ratio
Number of smokers	20,692,000	5,635,000	3.7
a-parameter (a)	-0.000027	-0.000027	-
b-parameter (b)	7,002	7,002	-
Standard error	365,000	196,000	0.14
90-percent confidence interval	20,092,000 to 21,292,000	5,313,000 to 5,957,000	3.5 to 3.9

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

The standard error of the ratio is calculated as

$$s_{x/y} = \frac{20,692,000}{5,635,000} \sqrt{\left(\frac{365,000}{20,692,000}\right)^2 + \left(\frac{196,000}{5,635,000}\right)^2} = 0.14$$

and the 90-percent confidence interval is calculated as $3.7 \pm 1.645 \times 0.14$.

Accuracy of State Estimates. The redesign of the CPS following the 1980 census provided an opportunity to increase efficiency and accuracy of state data. All strata are now defined within state boundaries. The sample is allocated among the states to produce state and national estimates with the required accuracy while keeping total sample size to a minimum. Improved accuracy of state data was achieved with about the same sample size as in the 1970 design.

Since the CPS is designed to produce both state and national estimates, the proportion of the total population sampled and the sampling rates differ among the states. In general, the smaller the population of the state, the larger the sampling proportion. For example, in Vermont, approximately 1 in every 250 households is sampled each month. In New York, the sample is about 1 in every 2,000 households. Nevertheless, the size of the sample in New York is four times larger than in Vermont because New York has a larger population.

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[9] Computed in the same manner as in Illustration 8a to preserve consistency of estimates throughout this Source and Accuracy Statement. See footnote 11 to Illustration 8a.

[10] Computed in the same manner as in Illustration 8b to preserve consistency of estimates throughout this Source and Accuracy Statement. See footnote 12 to Illustration 8b.

Standard Errors of State Estimates. The standard error for a state may be obtained by determining new state-level a- and b-parameters and then using these adjusted parameters in the standard error formulas mentioned previously. To determine a new state-level b-parameter (b_{state}), multiply the b-parameter from Table 21, 22, or 23 by the state factor from Table 24. To determine a new state-level a-parameter (a_{state}), use the following:

(1)   If the a-parameter from Table 21, 22, or 23 is positive, multiply the a-parameter by the state factor from Table 24.

(2)   If the a-parameter in Table 21, 22, or 23 is negative, calculate the new state-level a-parameter as follows:

$$a_{state} = \frac{-b_{state}}{POP_{state}} \tag{7}$$

where POP_{state} is the state population found in Table 24.

Illustration 6
Suppose there were 1,249,000 adults living in Florida in May 2019 who were every-day smokers. Table 13 shows how to use the appropriate parameters, factor, and population from Tables 22 and 24 and Formulas (2) and (7) to estimate the standard error and confidence interval.

Table 13. Illustration of Standard Errors of State Estimates

Number of every-day smokers in Florida (x)	1,249,000
b-parameter (b)	5,957
Florida state factor	1.12
State population	21,240,301
State a-parameter (a_{state})	-0.000314
State b-parameter (b_{state})	6,672
Standard error	89,000
90-percent confidence interval	1,103,000 to 1,395,000

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

Obtain the state-level b-parameter by multiplying the b-parameter, 5,957, by the state factor, 1.12. This gives b_{state} = 5,957 × 1.12 = 6,672. Obtain the needed state-level a-parameter by

$$a_{state} = \frac{-6,672}{21,240,301} = -0.000314$$

The standard error of the estimate of the number of adults in Florida who were every-day smokers can then be found by using Formula (2) and the new state-level a- and b-parameters, -0.000314 and 6,672, respectively. The standard error is given by

$$s_x = \sqrt{-0.000314 \times 1,249,000^2 + 6,672 \times 1,249,000},$$

which, rounded to the nearest thousand, is 89,000. The 90-percent confidence interval is calculated as 1,249,000 ± 1.645 × 89,000.

Standard Errors of Regional Estimates. To compute standard errors for regional estimates, follow the steps for computing standard errors for state estimates found in "Standard Errors of State Estimates" using the regional factors and populations found in Table 25.

Standard Errors of Groups of States. The standard error calculation for a group of states is similar to the standard error calculation for a single state. First, calculate a new state group factor for the group of states. Then, determine new state group a- and b-parameters. Finally, use these adjusted parameters in the standard error formulas mentioned previously.

Use the following formula to determine a new state group factor:

$$state\ group\ factor = \frac{\sum_{i=1}^{n} POP_i \times state\ factor_i}{\sum_{i=1}^{n} POP_i} \tag{8}$$

where POP_i and $factor_i$ are the population and factor for state i from Table 24.
To obtain a new state group b-parameter ($b_{state\ group}$), multiply the b-parameter from Table 21, 22, or 23 by the state group factor obtained by Formula (8). To determine a new state group a-parameter ($a_{state\ group}$), use the following:

(1)   If the a-parameter from Table 21, 22, or 23 is positive, multiply the a-parameter by the state group factor determined by Formula (8).

(2)   If the a-parameter in Table 21, 22, or 23 is negative, calculate the new state group a-parameter as follows:

$$a_{state\ group} = \frac{-b_{state\ group}}{\sum_{i=1}^{n} POP_i} \tag{9}$$

Illustration 7
Suppose the state group factor for the state group Illinois-Indiana-Michigan was required for May 2019. Use Formula (9) and the appropriate factors and populations from Table 24 to get

$$state\ group\ factor = \frac{12,515,984 \times 1.16 + 6,618,318 \times 1.14 + 9,906,401 \times 1.15}{12,515,984 + 6,618,318 + 9,906,401} = 1.15$$

Standard Errors of Averages for Grouped Data. The formula used to estimate the standard error of an average for grouped data is

$$s_{\bar{x}} = \sqrt{\frac{b}{y}(S^2)} \tag{10}$$

In this formula, y is the size of the base of the distribution and b is the parameter from Table 21, 22, or 23. The variance, S^2, is given by the following formula:

$$S^2 = \sum_{i=1}^{c} p_i \bar{x}_i^2 - \bar{x}^2 \tag{11}$$

where $\bar{x}$, the average of the distribution, is estimated by

$$\bar{x} = \sum_{i=1}^{c} p_i \bar{x}_i \tag{12}$$

and

c = the number of groups; i indicates a specific group, thus taking on values 1 through c.

p_i = estimated proportion of people, families, households, or unrelated individuals whose values, for the characteristic (x-values) being considered, fall in group i.

$\bar{x}_i$ = $(L_i + U_i)/2$ where L_i and U_i are the lower and upper interval boundaries, respectively, for group i. $\bar{x}_i$ is assumed to be the most representative value for the characteristic for people, families, households, or unrelated individuals in group i. If group c is open-ended, i.e., no upper interval boundary exists, use a group approximate average value of

$$\bar{x}_c = \frac{3}{2} L_c \tag{13}$$

NOTES: 1) For continuous data, i.e., income, time, etc., the upper bound of the ith interval and lower bound of the next interval are essentially the same. 2) Estimates for number of cigarettes smoked 'per some day' (as in Illustration 8b) must first be converted into estimates for number of cigarettes smoked 'per day' by multiplying by the average number of days smoked in the last 30 days, and dividing by 30 for each group i.

Illustration 8a
Suppose there were 20,692,000[11] adult every-day smokers among self-respondents in May 2019. Table 14 shows the distribution of the average number of cigarettes consumed per day.

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[11] Some persons who responded as every-day smokers to question PEA3 ("Do you now smoke cigarettes every day, some days, or not at all?") did not respond to PTB1 ("On the average, about how many cigarettes do you now smoke each day?") with answers greater than zero. As a result, using the estimate (21,225,000) from PEA3 as a base would result in the estimated percentages of every-day smokers who smoke 1-10, 11-20, 21-30, and 31or more cigarettes per day summing to well under 100 percent. Accordingly, we have used the weighted self-responses of those who answered both PTB1 with answers greater than zero as the base in this estimate, even though the estimate from PEA3 is our actual estimate of the number of every-day smokers.

Table 14. Distribution of the Average Number of Cigarettes Consumed Per Day

Cigarettes per day	Percent of smokers	$\bar{x}_i$
1 – 10	50.8	(1+10)/2 = 5.5
11 – 20	41.9	(11+20)/2 = 15.5
21 – 30	4.9	(21+30)/2 = 25.5
31+	2.4	3/2(31) = 46.5

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

Using Formula (12),

$$\bar{x} = (0.508 \times 5.5) + (0.419 \times 15.5) + (0.049 \times 25.5) + (0.024 \times 46.5) = 11.65$$

and Formula (11),

$$S^2 = (0.508 \times 5.5^2) + (0.419 \times 15.5^2) + (0.049 \times 25.5^2) + (0.024 \times 46.5^2) - 11.65^2$$
$$= 64.07$$

Because this data is from self-respondents, use the appropriate parameter from Table 23 and Formula (10) to get

Table 15. Illustration of Standard Errors of Averages for Grouped Data

Average amount of cigarettes smoked per day for every-day smokers ($\bar{x}$)	11.65
Variance (S^2)	64.07
Base (y)	20,692,000
b-parameter (b)	7,002
Standard error	0.147
90-percent confidence interval	11.41 to 11.89

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

The standard error is calculated as

$$s_{\bar{x}} = \sqrt{\frac{7,002}{20,692,000}(64.07)} = 0.147$$

and the 90-percent confidence interval is calculated as 11.65 ± 1.645 × 0.147.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

<u>Illustration 8b</u>
Suppose there were 5,635,000[12] adult some-day smokers among self-respondents in May 2019. Table 16 shows the distribution of the average number of cigarettes consumed per some day and per every day.

Table 16. Distribution of the Average Number of Cigarettes Consumed Per Some Day and Per Every Day

Cigarettes per some day	Percent of smokers	$\bar{x}_i$	Average number of days smoked in the last 30 days (d_i)	Cigarettes per day ($\bar{x}_i \times d_i / 30$)
1	17.9	(1+1)/2 = 1.0	9.3	1.0*8.9/30 = 0.31
2	23.9	(2+2)/2 = 2.0	11.2	2.0*11.2/30 = 0.75
3	18.0	(3+3)/2 = 3.0	13.4	3.0*14.2/30 = 1.34
4	7.4	(4+4)/2 = 4.0	14.1	4.0*14.1/30 = 1.88
5+	32.8	3/2(5) = 7.5	16.4	7.5*17.3/30 = 4.10

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

Using Formula (12),

$$\bar{x} = (0.179 \times 0.31) + (0.239 \times 0.75) + (0.180 \times 1.34) + (0.074 \times 1.88) + (0.328 \times 4.10)$$
$$= 1.96$$

and Formula (11),

$$S^2 = (0.179 \times 0.31^2) + (0.239 \times 0.75^2) + (0.180 \times 1.34^2) + (0.074 \times 1.88^2)$$
$$+ (0.328 \times 4.10^2) - 1.96^2 = 2.41$$

Because this data is from self-respondents, use the appropriate parameter from Table 23 and Formula (10) to get

Table 17. Second Illustration of Standard Errors of Averages for Grouped Data

Average amount of cigarettes smoked per day for some-day smokers ($\bar{x}$)	1.96
Variance (S^2)	2.41
Base (y)	5,635,000
b-parameter (b)	7,002
Standard error	0.055
90-percent confidence interval	1.87 to 2.05

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

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[12]   Some persons who responded as some-day smokers to question PEA3 ("Do you now smoke cigarettes every day, some days, or not at all?") did not respond to both PEC1 ("On how many of the past 30 days did you smoke cigarettes?") and PTC1a (On the average, on those days, how many cigarettes did you usually smoke each day?) with answers greater than zero. As a result, using the estimate (6,309,000) from PEA3 as a base would result in the estimated percentages of smokers who smoke 1, 2, 3, 4, and 5 or more cigarettes per some day summing to well under 100 percent. Accordingly, we have used the weighted self-responses of those who answered both PEC1 and PTC1a with answers greater than zero as the base in this estimate, even though the estimate from PEA3 is our actual estimate of the number of some-day smokers.

The standard error is calculated as

$$s_{\bar{x}} = \sqrt{\frac{7{,}002}{5{,}635{,}000}}\,(2.41) = 0.055$$

and the 90-percent confidence interval is calculated as $1.96 \pm 1.645 \times 0.055$.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

Standard Errors of Estimated Aggregates. Aggregates, such as the total number of cigarettes consumed, are computed by multiplying the average number of cigarettes consumed per smoker, $\bar{x}$, by the total number of smokers, y, in the formula

$$T = \bar{x}y \tag{14}$$

where T is the aggregate to be computed.

Both $\bar{x}$ and y have a standard error, so the standard error of a product must be computed. Approximate the standard error of an aggregate with the formula

$$S_T = \sqrt{\bar{x}^2 s_y^2 + y^2 s_{\bar{x}}^2} \tag{15}$$

where $s_{\bar{x}}$ is computed using Formula (10) and s_y is computed using Formula (2). In the above formula, the correlation between $\bar{x}$ and y is assumed to be zero. If it is actually positive (negative), then this formula will underestimate (overestimate) the standard error of the product.

Illustration 9
Continuing with Illustration 8a, suppose that the estimate for the total number of every-day smokers was 20,692,000[13] adults and that they smoked an average of 11.65 cigarettes per day. They then would consume approximately 241,062,000 cigarettes per day. Table 18 shows how to use s_y and $s_{\bar{x}}$ from Illustrations 5 and 8a, respectively, and Formula (15) to estimate the standard error and confidence interval.

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13   See footnote 11 to Illustration 8a.

<div align="center">

Table 18. Illustration of Standard Errors of Estimated Aggregates

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Average amount of cigarettes smoked per day ($\bar{x}$)	11.65
Standard error ($s_{\bar{x}}$)	0.147
Number of every-day smokers (y)	20,692,000
Standard error (s_y)	365,000
Number of cigarettes consumed (T)	241,062,000
Standard error (s_T)	5,228,000
90-percent confidence interval	232,462,000 to 249,662,000

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

The aggregate T is calculated as

$$T = 11.65 \times 20{,}692{,}000 = 241{,}062000$$

and the standard error for T is calculated as

$$s_T = \sqrt{(11.65^2 \times 365{,}000^2) + (20{,}692{,}000^2 \times 0.147^2)} = 5{,}228{,}000$$

The 90-percent confidence interval is calculated as $241{,}062{,}000 \pm 1.645 \times 5{,}228{,}000$.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

Standard Errors of Averages for Daily Amount Smoked by Current Smokers. The formula used to estimate the standard error of the average daily amount smoked by current smokers is

$$s_{\bar{x}} = \sqrt{\left[\frac{P(C_1 - C_2)}{(E+P)^2}\right]^2 s_E^2 + \left[\frac{E(C_1 - C_2)}{(E+P)^2}\right]^2 s_P^2 + \left(\frac{E}{E+P}\right)^2 s_{C_1}^2 + \left(\frac{P}{E+P}\right)^2 s_{C_2}^2} \qquad (16)$$

where

       E =   the estimated population of every-day smokers.

       s_E =   the standard error of the estimated population of every-day smokers.

       P =   the estimated population of some-day smokers.

       s_P =   the standard error of the estimated population of some-day smokers.

       C_1 =   the average amount an every-day smoker smokes per day.

$$s_{C_1} = \text{the standard error of the average amount an every-day smoker smokes per day.}$$

$$C_2 = \text{the average amount a some-day smoker smokes per day.}$$

$$s_{C_2} = \text{the standard error of the average amount a some-day smoker smokes per day.}$$

Illustration 10

Continuing with Illustrations 8 and 9, suppose there were 20,692,000[14] every-day smokers that smoked an average of 11.65 cigarettes per day. In addition, suppose that 5,635,000[15] some-day smokers smoked an average of 1.96 cigarettes per day. Table 19 shows the distribution of the average number of cigarettes consumed per day by all current smokers.

Table 19. Distribution of the Average Number of Cigarettes Consumed Per Day by All Current Smokers

Cigarettes per day	Percent of smokers*
0.31	3.8
0.75	5.1
1.34	3.8
1.88	1.6
4.1	7.0
5.5	39.9
15.5	32.9
25.5	3.8
46.5	1.9

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.
*   Estimates do not sum to 100 percent due to rounding.

where $\bar{x}$, the average amount smoked by all current smokers, is found using Formula (12) as

$$\bar{x} = (0.038 \times 0.31) + (0.051 \times 0.75) + (0.038 \times 1.34) + (0.016 \times 1.88) +$$
$$(0.07 \times 4.1) + (0.399 \times 5.5) + (0.329 \times 15.5) + (0.038 \times 25.5) + (0.019 \times 46.5) = 9.56$$

Use the appropriate parameters from Table 23, since this is self-respondent data, s_E and s_P from Illustration 5, and s_{C_1} and s_{C_2} from Illustration 8, and Formula (16) to get

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[14]   See footnote 11 to Illustration 8a.
[15]   See footnote 12 to Illustration 8b.

Table 20. Illustration of Standard Errors of Averages for Daily Amount Smoked by Current Smokers

Average amount of cigarettes smoked per day $(\bar{x})$	9.56
Estimated population of every-day smokers (E)	20,692,000
Standard error (s_E)	365,000
Estimated population of some-day smokers (P)	5,635,000
Standard error (s_P)	196,000
Average amount of cigarettes smoked per day by every-day smokers (C_1)	11.65
Standard error (s_{C_1})	0.147
Average amount of cigarettes smoked per day by some-day smokers (C_2)	1.96
Standard error (s_{C_2})	0.055
Standard error	0.132
90-percent confidence interval	9.34 to 9.78

Source: U.S. Census Bureau, Current Population Survey, Tobacco Use Supplement, May 2019.

The standard error for $\bar{x}$ is calculated as

$$s_{\bar{x}} = \left[\left(\frac{5{,}635{,}000\,(11.65-1.96)}{(20{,}692{,}000+5{,}635{,}000)^2}\right)^2 \times 365{,}000^2 + \left(\frac{20{,}692{,}000\,(11.65-1.96)}{(20{,}692{,}000+5{,}635{,}000)^2}\right)^2 \times 196{,}000^2 + \right.$$

$$\left. \left(\frac{20{,}692{,}000}{20{,}692{,}000+5{,}635{,}000}\right)^2 \times 0.147^2 + \left(\frac{5{,}635{,}000}{20{,}692{,}000+5{,}635{,}000}\right)^2 \times 0.055^2\right]^{\frac{1}{2}} = 0.132$$

The 90-percent confidence interval is calculated as 9.56 ± 1.645 × 0.132.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

Standard Errors of Quarterly or Yearly Averages. For information on calculating standard errors for labor force data from the CPS which involve quarterly or yearly averages, please see Bureau of Labor Statistics (2006).

Technical Assistance. If you require assistance or additional information, please contact the Demographic Statistical Methods Division via e-mail at dsmd.source.and.accuracy@census.gov.

Table 21. Parameters for Computation of Standard Errors for Labor Force Characteristics: July 2018, January 2019, and May 2019

Characteristic	*a*	*b*
Total or White		
Civilian labor force, employed	-0.000013	2,481
Unemployed	-0.000017	3,244
Not in labor force	-0.000013	2,432
Civilian labor force, employed, not in labor force, and unemployed		
Men	-0.000031	2,947
Women	-0.000028	2,788
Both sexes, 16 to 19 years	-0.000261	3,244
Black		
Civilian labor force, employed, not in labor force, and unemployed		
Total	-0.000117	3,601
Men	-0.000249	3,465
Women	-0.000191	3,191
Both sexes, 16 to 19 years	-0.001425	3,601
Asian, American Indian and Alaska Native (AIAN), Native Hawaiian and Other Pacific Islander (NHOPI)		
Civilian labor force, employed, not in labor force, and unemployed		
Total	-0.000245	3,311
Men	-0.000537	3,397
Women	-0.000399	2,874
Both sexes, 16 to 19 years	-0.004078	3,311
Hispanic, may be of any race		
Civilian labor force, employed, not in labor force, and unemployed		
Total	-0.000087	3,316
Men	-0.000172	3,276
Women	-0.000158	3,001
Both sexes, 16 to 19 years	-0.000909	3,316

Source: U.S. Census Bureau, Internal Current Population Survey data files for the 2010 Design.
Notes: These parameters are to be applied to basic CPS monthly labor force estimates. The Total or White, Black, and Asian, AIAN, NHOPI parameters are to be used for both alone and in combination race group estimates. For nonmetropolitan characteristics, multiply the a- and b-parameters by 1.5. If the characteristic of interest is total state population, not subtotaled by race or ethnicity, the a- and b-parameters are zero. For foreign-born and noncitizen characteristics for Total and White, the a- and b-parameters should be multiplied by 1.3. No adjustment is necessary for foreign-born and noncitizen characteristics for Black, Hispanic, and Asian, AIAN, NHOPI parameters. For the groups self-classified as having two or more races, use the Asian, AIAN, NHOPI parameters for all employment characteristics.

Table 22. Parameters for Computation of Standard Errors for Tobacco Use Characteristics Using Nonresponse Weights: July 2018, January 2019, and May 2019

Characteristic	Total a	Total b	White Alone a	White Alone b	Black Alone a	Black Alone b	Asian, AIAN, NHOPI[A] a	Asian, AIAN, NHOPI[A] b	Hispanic[B] a	Hispanic[B] b
July 2018										
Total	-0.000023	6,051	-0.000025	4,914	-0.000211	6,899	-0.000244	6,051	-0.000176	7,515
Male	-0.000049	6,051	-0.000050	4,914	-0.000486	7,270	-0.000543	6,407	-0.000353	7,515
Female	-0.000040	5,368	-0.000048	4,914	-0.000360	6,407	-0.000431	5,625	-0.000299	6,407
January 2019										
Total	-0.000023	6,002	-0.000026	5,199	-0.000211	6,923	-0.000240	6,002	-0.000156	6,708
Male	-0.000048	6,002	-0.000050	4,878	-0.000482	7,244	-0.000505	6,002	-0.000338	7,244
Female	-0.000039	5,199	-0.000048	4,878	-0.000376	6,708	-0.000396	5,199	-0.000259	5,591
May 2019										
Total	-0.000023	5,957	-0.000026	5,178	-0.000200	6,582	-0.000250	6,310	-0.000163	7,060
Male	-0.000048	5,957	-0.000051	4,970	-0.000468	7,060	-0.000526	6,310	-0.000358	7,726
Female	-0.000039	5,178	-0.000048	4,970	-0.000333	5,957	-0.000477	6,310	-0.000274	5,957
Combined Months: July 2018 and January 2019										
Total	-0.000012	3,027	-0.000013	2,566	-0.000110	3,620	-0.000126	3,147	-0.000084	3,620
Male	-0.000024	3,027	-0.000025	2,458	-0.000241	3,620	-0.000265	3,147	-0.000176	3,775
Female	-0.000020	2,676	-0.000024	2,458	-0.000185	3,294	-0.000213	2,798	-0.000140	3,027
Combined Months: January 2019 and May 2019										
Total	-0.000012	3,027	-0.000013	2,656	-0.000108	3,572	-0.000120	3,027	-0.000082	3,572
Male	-0.000024	3,027	-0.000025	2,484	-0.000237	3,572	-0.000261	3,130	-0.000174	3,765
Female	-0.000020	2,656	-0.000024	2,484	-0.000175	3,130	-0.000221	2,919	-0.000134	2,919
Combined Months: July 2018, January 2019, and May 2019										
Total	-0.000008	2,061	-0.000009	1,840	-0.000074	2,433	-0.000085	2,149	-0.000056	2,433
Male	-0.000016	2,061	-0.000017	1,709	-0.000168	2,536	-0.000179	2,149	-0.000117	2,536
Female	-0.000014	1,840	-0.000017	1,709	-0.000120	2,149	-0.000149	1,972	-0.000095	2,061

Source: U.S. Census Bureau, Current Population Survey, Internal data from the Tobacco Use Supplement, July 2018, January 2019, and May 2019.

[A] AIAN is American Indian and Alaska Native, and NHOPI is Native Hawaiian and Other Pacific Islander.

[B] Hispanics may be any race.

Notes: These parameters are to be applied to the Tobacco Use Supplement data. The Total or White, Black, and Asian, AIAN, NHOPI parameters are to be used for both alone and in combination race group estimates. For nonmetropolitan characteristics, multiply the a- and b-parameters by 1.5. If the characteristic of interest is total state population, not subtotaled by race or ethnicity, the a- and b-parameters are zero. For foreign-born and noncitizen characteristics for Total and White, the a- and b-parameters should be multiplied by 1.3. No adjustment is necessary for foreign-born and noncitizen characteristics for Black, Asian, AIAN, NHOPI, and Hispanic parameters. For the group self-classified as having two or more races, use the Asian, AIAN, NHOPI parameters for all characteristics except employment, unemployment, and educational attainment, in which case use Black parameters. For a more detailed discussion on the use of parameters for race and ethnicity, please see the "Generalized Variance Parameters" section.

Table 23. Parameters for Computation of Standard Errors for Tobacco Use Characteristics Using Self-response Weights: July 2018, January 2019, and May 2019

Characteristic	Total		White Alone		Black Alone		Asian, AIAN, NHOPI[A]		Hispanic[B]	
	a	*b*	*a*	*b*	*a*	*b*	*a*	*b*	*a*	*b*
July 2018										
Total	-0.000031	8,005	-0.000033	6,662	-0.000277	9,078	-0.000351	8,708	-0.000248	10,615
Male	-0.000067	8,369	-0.000068	6,662	-0.000669	10,009	-0.000738	8,708	-0.000533	11,357
Female	-0.000054	7,137	-0.000062	6,379	-0.000450	8,005	-0.000642	8,369	-0.000423	9,078
January 2019										
Total	-0.000029	7,436	-0.000031	6,215	-0.000245	8,058	-0.000298	7,436	-0.000205	8,805
Male	-0.000060	7,436	-0.000060	5,833	-0.000586	8,805	-0.000626	7,436	-0.000435	9,323
Female	-0.000047	6,215	-0.000057	5,833	-0.000417	7,436	-0.000474	6,215	-0.000344	7,436
May 2019										
Total	-0.000027	7,002	-0.000031	6,234	-0.000243	8,009	-0.000318	8,009	-0.000208	9,041
Male	-0.000059	7,438	-0.000064	6,234	-0.000571	8,602	-0.000668	8,009	-0.000471	10,177
Female	-0.000047	6,234	-0.000058	5,915	-0.000391	7,002	-0.000605	8,009	-0.000342	7,438
Combined Months: July 2018 and January 2019										
Total	-0.000016	4,221	-0.000017	3,465	-0.000141	4,644	-0.000178	4,443	-0.000123	5,295
Male	-0.000036	4,443	-0.000035	3,465	-0.000338	5,080	-0.000374	4,443	-0.000269	5,770
Female	-0.000027	3,594	-0.000032	3,264	-0.000236	4,221	-0.000307	4,031	-0.000195	4,221
Combined Months: January 2019 and May 2019										
Total	-0.000016	4,230	-0.000018	3,621	-0.000147	4,837	-0.000181	4,575	-0.000122	5,293
Male	-0.000037	4,575	-0.000037	3,621	-0.000351	5,293	-0.000382	4,575	-0.000277	5,986
Female	-0.000027	3,621	-0.000033	3,391	-0.000236	4,230	-0.000346	4,575	-0.000194	4,230
Combined Months: July 2018, January 2019, and May 2019										
Total	-0.000011	2,843	-0.000012	2,508	-0.000099	3,258	-0.000122	3,069	-0.000083	3,599
Male	-0.000024	2,964	-0.000024	2,385	-0.000239	3,599	-0.000256	3,069	-0.000181	3,906
Female	-0.000019	2,508	-0.000023	2,385	-0.000159	2,843	-0.000224	2,964	-0.000136	2,964

Source: U.S. Census Bureau, Current Population Survey, Internal data from the Tobacco Use Supplement, July 2018, January 2019, and May 2019.

[A] AIAN is American Indian and Alaska Native, and NHOPI is Native Hawaiian and Other Pacific Islander.

[B] Hispanics may be any race.

Notes: These parameters are to be applied to the Tobacco Use Supplement data. The Total or White, Black, and Asian, AIAN, NHOPI parameters are to be used for both alone and in combination race group estimates. For nonmetropolitan characteristics, multiply the a- and b-parameters by 1.5. If the characteristic of interest is total state population, not subtotaled by race or ethnicity, the a- and b-parameters are zero. For foreign-born and noncitizen characteristics for Total and White, the a- and b-parameters should be multiplied by 1.3. No adjustment is necessary for foreign-born and noncitizen characteristics for Black, Asian, AIAN, NHOPI, and Hispanic parameters. For the group self-classified as having two or more races, use the Asian, AIAN, NHOPI parameters for all characteristics except employment, unemployment, and educational attainment, in which case use Black parameters. For a more detailed discussion on the use of parameters for race and ethnicity, please see the "Generalized Variance Parameters" section.

Table 24. Factors and Populations for State Standard Errors and Parameters: July 2018, January 2019, and May 2019

State	Factor	July 2018 Population	January 2019 Population	May 2019 Population	State	Factor	July 2018 Population	January 2019 Population	May 2019 Population
Alabama	1.13	4,809,089	4,816,211	4,819,163	Montana	0.22	1,047,080	1,051,544	1,054,308
Alaska	0.18	710,024	710,648	709,758	Nebraska	0.51	1,902,663	1,905,411	1,909,037
Arizona	1.16	7,019,747	7,125,989	7,163,648	Nevada	0.72	3,018,249	3,028,608	3,048,925
Arkansas	0.73	2,965,381	2,965,214	2,968,065	New Hampshire	0.35	1,333,772	1,343,259	1,345,051
California	1.16	39,246,745	39,123,774	39,164,099	New Jersey	1.15	8,929,760	8,816,567	8,820,161
Colorado	1.17	5,589,265	5,642,316	5,667,853	New Mexico	0.44	2,053,757	2,060,179	2,060,236
Connecticut	0.88	3,538,363	3,523,400	3,521,232	New York	1.19	19,619,181	19,281,675	19,259,293
Delaware	0.23	956,305	957,536	960,596	North Carolina	1.18	10,182,223	10,235,988	10,271,452
District of Columbia	0.18	693,281	694,979	697,062	North Dakota	0.18	737,934	745,625	747,319
Florida	1.12	20,996,893	21,143,146	21,240,301	Ohio	1.15	11,515,820	11,532,249	11,537,890
Georgia	1.16	10,341,190	10,368,621	10,400,005	Oklahoma	1.07	3,859,263	3,867,206	3,869,766
Hawaii	0.33	1,368,537	1,363,290	1,361,822	Oregon	1.06	4,160,582	4,174,082	4,187,707
Idaho	0.40	1,733,541	1,751,589	1,763,087	Pennsylvania	1.16	12,622,161	12,612,469	12,612,822
Illinois	1.16	12,578,628	12,534,399	12,515,984	Rhode Island	0.28	1,046,160	1,041,694	1,041,718
Indiana	1.14	6,601,747	6,609,764	6,618,318	South Carolina	1.12	4,992,454	5,017,956	5,038,210
Iowa	0.78	3,117,353	3,119,276	3,122,594	South Dakota	0.23	859,678	868,683	871,509
Kansas	0.81	2,855,869	2,849,026	2,848,690	Tennessee	1.14	6,677,426	6,695,116	6,713,971
Kentucky	1.16	4,386,467	4,391,959	4,395,986	Texas	1.17	28,213,811	28,412,145	28,532,463
Louisiana	1.06	4,576,789	4,551,506	4,546,834	Utah	0.51	3,132,295	3,163,984	3,182,808
Maine	0.42	1,327,409	1,325,371	1,326,093	Vermont	0.20	617,946	620,971	621,207
Maryland	1.19	5,982,211	5,953,001	5,957,222	Virginia	1.19	8,317,364	8,330,657	8,345,799
Massachusetts	1.13	6,820,680	6,848,699	6,858,769	Washington	1.17	7,421,038	7,481,885	7,516,988
Michigan	1.15	9,882,691	9,901,693	9,906,401	West Virginia	0.50	1,774,950	1,771,770	1,767,569
Minnesota	1.16	5,571,160	5,576,157	5,589,157	Wisconsin	1.16	5,746,142	5,753,621	5,759,197
Mississippi	0.71	2,916,560	2,915,894	2,914,105	Wyoming	0.16	564,021	567,241	566,713
Missouri	1.18	6,025,577	6,024,709	6,029,296					

Source: U.S. Census Bureau, Population Estimates Program, July 2018, January 2019, and May 2019.

Notes: The state population counts in this table are for the 0+ population for July 2018, January 2019, and May 2019. For foreign-born and noncitizen characteristics for Total and White, the a- and b-parameters should be multiplied by 1.3. No adjustment is necessary for foreign-born and noncitizen characteristics for Black, Asian, AIAN, NHOPI, and Hispanic parameters.

**Table 25. Factors and Populations for Regional Standard Errors and Parameters:
July 2018, January 2019, and May 2019**

Region	Factor	July 2018 Population	January 2019 Population	May 2019 Population
Northeast	1.08	67,395,262	67,420,613	67,455,392
Midwest	1.09	55,855,432	55,414,105	55,406,346
South	1.11	122,641,657	123,088,905	123,438,569
West	1.03	77,064,881	77,245,129	77,447,952

Source: U.S. Census Bureau, Population Estimates Program, July 2018, January 2019, and May 2019.

Notes: The state population counts in this table are for the 0+ population for July 2018, January 2019, and May 2019. For foreign-born and noncitizen characteristics for Total and White, the a- and b-parameters should be multiplied by 1.3. No adjustment is necessary for foreign-born and noncitizen characteristics for Black, Asian, AIAN, NHOPI, and Hispanic parameters.

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All online references accessed March 26, 2020.

ATTACHMENT 17

USER NOTES

This section will contain information relevant to the *Current Population Survey, May 2019: Tobacco Use Supplement File* that becomes available after the file is released.